BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to roads, drains and other developmental works at 5th phase, puttenahalli, ISAAC layout kondappa layout, kamakshamma layout, hanumappa layout, A sector and surrounding areas in ward No 02 & 04 of yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-02)

JOB NUMBER.: | Est. Amount = 1,250.00 Lakhs

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	Removing and resetting of footpath slab (From Approved Arrival Rates)								
	Vijaya jyothi								
	Existing Cover Slab								
	Kamakshamma layout								
	Ch:00-97.5		2	97.5	0.90		87.75		
	Ch:00-54.3		1	54.3	0.90		24.44		
	Ch:00-37.1		1	37.1	0.90		16.70		
	Ch:00-102.2		1	102.2	0.90		45.99		
	Ch:00-45.4		2	45.4	0.90		40.86		
	Bestra colony								
	Ch:00-133.2		2	115.0	0.90		103.50		
	BBMP office back side								
	Ch:00-30.6		1	30.6	0.90		13.77		
	Kondappa Layout								
	Ch:00-100.5 (Gnana Bharathi School Main Road)		1	100.5	0.90		55.58		
	Dedution for Damaged Portion								
	Ch:00-100.5 (Gnana Bharathi School Main Road)	sqm	1	24.0	0.90		13.27		
	A Sector								
	Ch:00-177 (2nd A cross Connecting Major Akshay Girish Kumar Road)		2	177.0	1.20		212.40		
	Ch:00-196.5 1st A Main Road		2	196.5	1.20		235.80		
	Consider 50%								
	Hanumappa layout and Allalasandra								
	Existing Cover Slab								
	Ch:00-52.1 4th cross Road		2	53.0	0.90		73.37		
	Allalasandra								
	Ch:00-64.5 3rd main Road		2	64.5	0.90		89.29		
	Ch:00-58		2	58.0	0.90		80.28		
	Ch:00-54		2	54.0	0.90		74.75		
						Total Qty	1167.75	258.50	301863.32
2	Providing Flush/ Ruled pointing on stone slab ceiling with cement mortar 1:2 (1 cement : 2 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge								
	KPWD S.R 2021-22	It. No.	8.2		Pg.No.	44			
	A Sector								
	Ch:00-177 (2nd A cross Connecting Major Akshay Girish Kumar Road)	sqm	2	177.00	1.20		424.80		
						Total Qty	424.80	124.3	52802.64
3	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) Volume-2								
	KPWD S.R 2021-22	It. No.	5.4		Pg.No.	9			
	A Sector								
	Ch:00-177 (2nd A cross Connecting Major Akshay Girish Kumar Road)	Cum	4	177.00	0.45	0.40	127.44		

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Hanumappa layout & Allalasandra								
	Ch:00-64.5 BHS 3rd main road		2	64.50	0.40	0.60	30.96		
						Total Qty	**158.40**	**5964.20**	**944729.28**
4	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-char								
	KPWD S.R 2021-22	It. No.	8.19.1		Pg.No.	44			
	A Sector	sqm							
	Ch:00-177 (2nd A cross Connecting Major Akshay Girish Kumar Road)		4	177.00		0.80	566.40		
	Hanumappa layout & Allalasandra								
	Ch:00-64.5 BHS 3rd main road		2	64.50		0.60	77.40		
						Total Qty	**643.80**	**220.00**	**141636.00**
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring,								
	KPWD SR 2021-22	It.no	1.40		Pg.no	5			
	Vijaya jyothi								
	Kamakshamma layout								
	Ch:00-97.5		2	97.50	0.60	0.60	70.20		
	Ch:00-54.3		1	54.30	0.60	0.60	19.55		
	Ch:00-37.1		1	37.10	0.60	0.60	13.36		
	Ch:00-102.2		1	102.20	0.60	0.60	36.79		
	Ch:00-45.4		2	45.40	0.60	0.60	32.69		
	Bestra colony								
	Ch:00-133.2		2	115.00	0.60	0.60	82.80		
	BBMP office back side								
	Ch:00-30.6		1	30.60	0.60	0.60	11.02		
	New CC Drain								
	Ch:00-133.2		1	10.90	1.10	1.00	11.99		
	New Culvert								
	Cross Roads		9	6.00	1.50	1.30	105.30		
	5th phase								
	New RCC Drains 5th phase								
	Ch:00-597.1 RHS		1	101.40	1.40	1.00	141.96		
	Ch:00-597.1 RHS		1	52.10	1.40	1.00	72.94		
	Ch:00-597.1 RHS		1	147.50	1.40	1.00	206.50		
	Ch:00-157.2 BHS 4th cross road		2	157.20	1.40	1.00	440.16		
	Ch:00-79.3 LHS 2nd cross road		1	79.30	1.40	1.00	111.02		
	1st cross Vinayaka nagar		1	109.40	1.40	1.00	153.16		
	New Kerb Provision								
	Ch:00-597.1 RHS		1	101.40	0.20	0.20	4.06		
			1	52.10	0.20	0.20	2.08		
			1	147.50	0.20	0.20	5.90		
	Ch:00-157.2 BHS 4th cross road		2	157.20	0.20	0.20	12.58		
	Ch:00-79.3 LHS 2nd cross road		1	79.30	0.20	0.20	3.17		
	1st cross Vinayaka nagar		1	109.40	0.20	0.20	4.38		
	Foothpath								
	Ch:00-597.1 RHS		1	101.40	1.20	0.30	36.50		
	KEB power station		1	210.20	1.20	0.30	75.67		
	New Culvert								
	Cross Roads		10	6.00	1.50	1.30	117.00		
	1st cross Vinayaka nagar		1	12.00	1.50	1.30	23.40		
	1st cross Vinayaka nagar (Existing cover slab to be used)		1	7.00	1.50	1.30	13.65		
	KHB colony								
	New CC Drain								
	Industrial estate Lshape BHS								
	Kerb		2	229.20	1.10	1.00	504.24		

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Sl. No	Description of Work	Unit	No		Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Industrial estate Lshape BHS		2		229.20	0.20	0.20	18.34		
	New Culvert									
	Cross Roads		4		7.00	1.50	1.30	54.60		
	Vinayaka layout									
	New CC drain									
	ISAAC layout									
	Ch:00-37.4		1		37.40	1.10	1.00	41.14		
	Ch:00-37.2		1		37.20	1.10	1.00	40.92		
	Ch:00-36.5		2		36.50	1.10	1.00	80.30		
	Ch:00-35.2		2		35.20	1.10	1.00	77.44		
	Ch:00-35.5		2		35.50	1.10	1.00	78.10		
	Ch:00-34.9		2		34.90	1.10	1.00	76.78		
	Main road LHS		1		22.00	1.10	1.00	24.20		
	Susheelamma layout									
	Ch:00-50.1		2		50.10	1.10	1.00	110.22		
	Vinayaka layout									
	Ch:00-31		2		31.00	1.10	1.00	68.20		
	New Kerb Provision									
	ISAAC layout									
	Ch:00-37.4		1		37.40	0.20	0.20	1.50		
	Ch:00-37.2		1		37.20	0.20	0.20	1.49		
	Ch:00-36.5		2		36.50	0.20	0.20	2.92		
	Ch:00-35.2		2		35.20	0.20	0.20	2.82		
	Ch:00-35.5		2		35.50	0.20	0.20	2.84		
	Ch:00-34.9		2		34.90	0.20	0.20	2.79		
	Main road LHS		1		22.00	0.20	0.20	0.88		
	Susheelamma layout									
	Ch:00-50.1		2		50.10	0.20	0.20	4.01		
	Vinayaka layout									
	Ch:00-31		2		31.00	0.20	0.20	2.48		
	New Culvert									
			6		6.83	1.50	1.30	79.91		
	5th phase cobble stone									
	Compound area 2nd cross 5th phase		5	0.5	15.00	12.00	0.15	67.50		
			1	0.5	12.00	9.00	0.15	8.10		
	Shed parking 5th main road		1		4.00	10.00	0.15	6.00		
	Keb power station	cum	1	0.5	28.00	17.00	0.15	35.70		
	NHIG-A block		3		50.00	11.00	0.15	247.50		
			4		15.00	2.94	0.15	26.46		
	New Culvert									
			2		7.00	1.50	1.20	25.20		
	Kondappa Layout									
	Desilting Drain									
	Ch:00-100.5 (Gnana Bharathi School Main Road)		1		100.50	0.60	0.40	24.12		
	Gnana Bharathi School Roads									
	Ch:00-70.0 main road		1		70.00	1.10	1.00	77.00		
	Ch:00-30.0 cross road		2		30.00	1.10	1.00	66.00		
	Ch:00-46.0 cross road		1		46.00	1.10	1.00	50.60		
	Ch:00-30.0 cross road		1		30.00	1.10	1.00	33.00		
	Ganesha Temple opposite Roads									
	Ch:00-44.9 26th cross road		2		44.90	1.10	1.00	98.78		
	Ch:00-115.0 cross road		2		115.00	1.10	1.00	253.00		
	Ch:00-43.0 cross road		2		43.00	1.10	1.00	94.60		
	Ch:00-46.3 (16th cross road) cross road		1		46.30	1.10	1.00	50.93		
	New Kerb									
	Ch:00-70.0 main road		1		70.00	0.20	0.20	2.80		
	Ch:00-30.0 cross road		2		30.00	0.20	0.20	2.40		
	Ch:00-46.0 cross road		1		46.00	0.20	0.20	1.84		
	Ch:00-30.0 cross road		1		30.00	0.20	0.20	1.20		
	Ch:00-44.9 26th cross road		2		44.90	0.20	0.20	3.59		

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Ch:00-43.0 cross road		2	43.00	0.20	0.20	3.44		
	Ch:00-46.3 (16th cross road) cross road		1	46.30	0.20	0.20	1.85		
	Ch:00-100.5 (Gnana Bharathi School Main Road)		1	100.50	0.20	0.20	4.02		
	New Culvert								
	Cross Roads Kondappa layout		11	6.00	1.50	1.30	128.70		
	A Sector								
	Desilting								
	Ch:00-177 (2nd A cross Connecting Major Akshay Girish Kumar Road)		2	177.00	0.60	0.60	127.44		
	New RCC Drains								
	A Sector								
	Ch:00-196.5 1st A Main Road		2	196.50	1.20	1.15	542.34		
	New Kerb Provision								
	Ch:00-177 (2nd A cross Connecting Major Akshay Girish Kumar Road)		2	177.00	0.20	0.20	14.16		
	Ch:00-196.5 1st A Main Road		2	196.50	0.20	0.20	15.72		
	New Footpath Pavers Provision								
	Ch:00-196.5 1st A Main Road		2	196.50	1.80	0.45	318.33		
	New Culvert		2	6.62	1.50	1.30	25.82		
	Hanumappa layout & Allalasandra								
	Desilting Drain								
	Ch:00-52.1 4th cross Road		2	53.00	0.60	0.40	25.44		
	Ch:00-64.5 3rd main Road		2	64.50	0.60	0.40	30.96		
	Allalasandra								
	Ch:00-58		2	58.00	0.60	0.40	27.84		
	Ch:00-54		2	54.00	0.60	0.40	25.92		
	New RCC Drains								
	Ch:00-170.3 LHS 3rd cross road		1	76.00	1.00	1.00	76.00		
	Ch:00-170.3 RHS		1	24.00	1.00	1.00	24.00		
	Ch:00-129.2 RHS		1	82.00	1.00	1.00	82.00		
	Ch:00-129.2 LHS		1	34.00	1.00	1.00	34.00		
	Ch:00-89 RHS		1	89.00	1.00	1.00	89.00		
	Near SWD		1	60.00	1.00	1.00	60.00		
	New Kerb Provision								
	Ch:00-170.3 LHS		1	76.00	0.20	0.20	3.04		
	Ch:00-170.3 RHS		1	24.00	0.20	0.20	0.96		
	Ch:00-129.2 BHS		2	129.20	0.20	0.20	10.34		
	Ch:00-85.4 RHS		1	85.40	0.20	0.20	3.42		
	Ch:00-64.5 BHS 3rd main road		2	64.50	0.20	0.20	5.16		
	Near SWD		1	60.00	0.20	0.20	2.40		
	New Culvert								
	Cross Roads		11	6.00	1.50	1.30	128.70		
						Total Qty	**6071.24**	**334.40**	**2030222.99**
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding								
	KPWD SR 2021-22	lt no.	2.1.3			pg no.	15		
	Vijaya jyothi	Cum							
	New CC Drain								
	Ch:00-133.2		1	10.90	1.1	0.15	1.80		
	New Culvert								
	Cross Roads		9	6	1.5	0.15	12.15		
	5th phase								
	New RCC Drains 5th phase								

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Sl. No	Description of Work	Unit	No		Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Ch:00-597.1 RHS		1		101.4	1.4	0.15	21.29		
			1		52.1	1.4	0.15	10.94		
			1		147.50	1.4	0.15	30.98		
	Ch:00-157.2 BHS 4th cross road		2		157.2	1.4	0.15	66.02		
	Ch:00-79.3 LHS 2nd cross road		1		79.3	1.4	0.15	16.65		
	1st cross Vinayaka nagar		1		109.4	1.4	0.15	22.97		
	New Kerb Provision									
	Ch:00-597.1 RHS		1		101.4	0.2	0.1	2.03		
			1		52.1	0.2	0.1	1.04		
			1		147.5	0.2	0.1	2.95		
	Ch:00-157.2 BHS 4th cross road		2		157.2	0.2	0.1	6.29		
	Ch:00-79.3 LHS 2nd cross road		1		79.3	0.2	0.1	1.59		
	1st cross Vinayaka nagar		1		109.4	0.2	0.1	2.19		
	Foothpath									
	Ch:00-597.1 RHS		1		101.4	1.2	0.15	18.25		
	KEB power station		1		210.2	1.2	0.15	37.84		
	New Culvert									
	Cross Roads		10		6.00	1.5	0.15	13.50		
	1st cross Vinayaka nagar		1		12.00	1.5	0.15	2.70		
	1st cross Vinayaka nagar (Existing cover slab		1		7.00	1.5	0.15	1.58		
	KHB colony									
	New CC Drain									
	Industrial estate Lshape BHS		2		229.20	1.10	0.15	75.64		
	Kerb									
	Industrial estate Lshape BHS		2		229.20	0.20	0.1	9.17		
	New Culvert									
	Cross Roads		4		7.00	1.50	0.15	6.30		
	Vinayaka layout									
	New CC drain									
	ISAAC layout									
	Ch:00-37.4		1		37.40	1.10	0.15	6.17		
	Ch:00-37.2		1		37.20	1.10	0.15	6.14		
	Ch:00-36.5		2		36.50	1.10	0.15	12.05		
	Ch:00-35.2		2		35.20	1.10	0.15	11.62		
	Ch:00-35.5		2		35.50	1.10	0.15	11.72		
	Ch:00-34.9		2		34.90	1.10	0.15	11.52		
	Main road LHS		1		22.00	1.10	0.15	3.63		
	Susheelamma layout									
	Ch:00-50.1		2		50.10	1.10	0.15	16.53		
	Vinayaka layout									
	Ch:00-31		2		31.00	1.10	0.15	10.23		
	New Kerb Provision									
	ISAAC layout									
	Ch:00-37.4		1		37.40	0.20	0.10	0.75		
	Ch:00-37.2		1		37.20	0.20	0.10	0.74		
	Ch:00-36.5		2		36.50	0.20	0.10	1.46		
	Ch:00-35.2		2		35.20	0.20	0.10	1.41		
	Ch:00-35.5		2		35.50	0.20	0.10	1.42		
	Ch:00-34.9		2		34.90	0.20	0.10	1.40		
	Main road LHS		1		22.00	0.20	0.10	0.44		
	Susheelamma layout									
	Ch:00-50.1		2		50.1	0.20	0.1	2.00		
	Vinayaka layout									
	Ch:00-31		2		31.00	0.20	0.1	1.24		
	New Culvert									
			6		6.83	1.5	0.15	9.22		
	5th phase cobble stone									
	Compound area 2nd cross 5th phase		5	0.5	15.00	12.00	0.15	67.50		
			1	0.5	12.00	9.00	0.15	8.10		
	Shed parking 5th main road		1		4.00	10.00	0.15	6.00		
	Keb power station		1	0.5	28.00	17.00	0.15	35.70		
	NHIG-A block		3		50.00	11.00	0.15	247.50		
			4		15.00	2.94	0.15	26.46		
	New Culvert									

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
			2	7.00	1.50	0.15	3.15		
	Kondappa Layout								
	Gnana Bharathi School Roads								
	Ch:00-70.0 main road		1	70	1.1	0.15	11.55		
	Ch:00-30.0 cross road		2	30.00	1.10	0.15	9.90		
	Ch:00-46.0 cross road		1	46.00	1.10	0.15	7.59		
	Ch:00-30.0 cross road		1	30.00	1.10	0.15	4.95		
	Ganesha Temple opposite Roads								
	Ch:00-44.9 26th cross road		2	44.90	1.10	0.15	14.82		
	Ch:00-115.0 cross road		2	115.00	1.10	0.15	37.95		
	Ch:00-43.0 cross road		2	43.00	1.10	0.15	14.19		
	Ch:00-46.3 (16th cross road) cross road		1	46.30	1.10	0.15	7.64		
	New Kerb								
	Ch:00-70.0 main road		1	70.00	0.15	0.10	1.05		
	Ch:00-30.0 cross road		2	30.00	0.15	0.10	0.90		
	Ch:00-46.0 cross road		1	46.00	0.15	0.10	0.69		
	Ch:00-30.0 cross road		1	30.00	0.15	0.10	0.45		
	Ch:00-44.9 26th cross road		2	44.90	0.15	0.10	1.35		
	Ch:00-43.0 cross road		2	43.00	0.15	0.10	1.29		
	Ch:00-46.3 (16th cross road) cross road		1	46.30	0.15	0.10	0.69		
	Ch:00-100.5 (Gnana Bharathi School Main Road)		1	100.50	0.15	0.10	1.51		
	New Culvert								
	Cross Roads Kondappa layout		11	6.00	1.50	0.15	14.85		
	A Sector								
	New RCC Drains								
	Ch:00-196.5 1st A Main Road		2	196.50	1.20	0.15	70.74		
	New Kerb Provision								
	Ch:00-177 (2nd A cross Connecting Major Akshay Girish Kumar Road)		2	177.00	0.20	0.10	7.08		
	Ch:00-196.5 1st A Main Road		2	196.50	0.20	0.10	7.86		
	New Footpath Pavers Provision								
	Ch:00-196.5 1st A Main Road		2	196.50	1.80	0.15	106.11		
	New Culvert		2	6.62	1.50	0.15	2.98		
	Hanumappa layout & Allalasandra								
	New RCC Drains								
	Ch:00-170.3 LHS 3rd cross road		1	76.00	1.00	0.15	11.40		
	Ch:00-170.3 RHS		1	24.00	1.00	0.15	3.60		
	Ch:00-129.2 RHS		1	82.00	1.00	0.15	12.30		
	Ch:00-129.2 LHS		1	34.00	1.00	0.15	5.10		
	Ch:00-89 RHS		1	89.00	1.00	0.15	13.35		
	Near SWD		1	60.00	1.00	0.15	9.00		
	New Kerb Provision								
	Ch:00-170.3 LHS		1	76.00	0.20	0.10	1.52		
	Ch:00-170.3 RHS		1	24.00	0.20	0.10	0.48		
	Ch:00-129.2 BHS		2	129.20	0.20	0.10	5.17		
	Ch:00-85.4 RHS		1	85.40	0.20	0.10	1.71		
	Ch:00-64.5 BHS 3rd main road		2	64.50	0.20	0.10	2.58		
	Near SWD		1	60.00	0.20	0.10	1.20		
	New Culvert								
	Cross Roads		11	6.00	1.50	0.15	14.85		
	Govt Schools								
	Footing								
	F1								
	SSM Foundation		20	2.10	1.80	0.15	11.34		
			3	29.60	0.75	0.15	9.99		

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
			6	9.00	0.75	0.15	6.08		
			1	13.20	0.75	0.15	1.49		
			2	29.60	1.00	0.15	8.88		
	Compound		2	0.80	0.80	0.15	0.19		
	Gate column		1	3.00	2.50	0.15	1.13		
	Sump tank								
	Vydika kendra								
	Footing		17	1.80	1.80	0.15	8.26		
	F1								
	SSM Foundation								
			2	23.68	0.75	0.15	5.33		
			5	7.62	0.75	0.15	4.29		
			4	3.00	0.75	0.15	1.35		
			1	3.00	3.00	0.15	1.35		
	Sump tank					**Total Qty**	**1336.03**	**6327.20**	**8453349.58**
7	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, includi								
	5th phase								
	New RCC Drains 5th phase								
	Ch:00-597.1 RHS		1	101.40			225.33		
			1	52.10			115.78		
			1	147.50			327.78		
	Ch:00-157.2 BHS 4th cross road		2	157.20			698.67		
	Ch:00-79.3 LHS 2nd cross road		1	79.30			176.22		
	1st cross Vinayaka nagar		1	109.40			243.11		
	KHB colony								
	Kerb								
	Industrial estate Lshape BHS		2	229.20			1018.67		
	Vinayaka layout								
	New Kerb Provision								
	ISAAC layout								
	Ch:00-37.4		1	37.40			83.11		
	Ch:00-37.2		1	37.20			82.67		
	Ch:00-36.5		2	36.50			162.22		
	Ch:00-35.2		2	35.20			156.44		
	Ch:00-35.5		2	35.50			157.78		
	Ch:00-34.9		2	34.90			155.11		
	Main road LHS		1	22.00			48.89		
	Susheelamma layout								
	Ch:00-50.1		2	50.10			222.67		
	Vinayaka layout								
	Ch:00-31		2	31.00			137.78		
	Kondappa Layout	Nos							
	New Kerb								
	Gnana Bharathi School Roads								
	Ch:00-70.0 main road		1	70.00			155.56		
	Ch:00-30.0 cross road		2	30.00			133.33		
	Ch:00-46.0 cross road		1	46.00			102.22		
	Ch:00-30.0 cross road		1	30.00			66.67		
	Ganesha Temple opposite Roads								
	Ch:00-44.9 26th cross road		2	44.90			199.56		
	Ch:00-43.0 cross road		2	43.00			191.11		
	Ch:00-46.3 (16th cross road) cross		1	46.30			102.89		
	Ch:00-100.5 (Gnana Bharathi School Main Road)		1	100.50			223.33		
	A Sector								
	Ch:00-177 (2nd A cross Major Akshay Girish Kumar Road)		2	177.00			786.67		
	Ch:00-196.5 1st A Main Road		2	196.5			873.33		

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Hanumappa layout & Allalasandra								
	New Kerb Provision								
	Ch:00-170.3 LHS		1	76.00			168.89		
	Ch:00-170.3 RHS		1	24.00			53.33		
	Ch:00-129.2 BHS		2	129.20			574.22		
	Ch:00-85.4 RHS		1	85.40			189.78		
	Ch:00-64.5 BHS 3rd main road		2	64.50			286.67		
	Near SWD		1	60.00			133.33		
						Total Qty	8253.11	507.00	4184327.33
8	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces								
	KPWD SR 2021-22	It.no	8.10		Pg.no	56			
	5th phase								
	Ch:00-597.1 RHS		1	101.40		0.40	40.56		
			1	52.10		0.40	20.84		
			1	147.50		0.40	59.00		
	Ch:00-157.2 BHS 4th cross road		2	157.20		0.40	125.76		
	Ch:00-79.3 LHS 2nd cross road		1	79.30		0.40	31.72		
	1st cross Vinayaka nagar		1	109.40		0.40	43.76		
	KHB colony								
	Kerb								
	Industrial estate Lshape BHS		2	229.20		0.40	183.36		
	Vinayaka layout								
	ISAAC layout								
	Ch:00-37.4		1	37.40		0.40	14.96		
	Ch:00-37.2		1	37.20		0.40	14.88		
	Ch:00-36.5		2	36.50		0.40	29.20		
	Ch:00-35.2		2	35.20		0.40	28.16		
	Ch:00-35.5		2	35.50		0.40	28.40		
	Ch:00-34.9		2	34.90		0.40	27.92		
	Main road LHS		1	22.00		0.40	8.80		
	Susheelamma layout								
	Ch:00-50.1		2	50.10		0.40	40.08		
	Vinayaka layout								
	Ch:00-31		2	31.00		0.40	24.80		
		Sqm							
	Kondappa Layout								
	Ch:00-70.0 main road		1	70.00		0.40	28.00		
	Ch:00-30.0 cross road		2	30.00		0.40	24.00		
	Ch:00-46.0 cross road		1	46.00		0.40	18.40		
	Ch:00-30.0 cross road		1	30.00		0.40	12.00		
	Ch:00-44.9 26th cross road		2	44.90		0.40	35.92		
	Ch:00-43.0 cross road		2	43.00		0.40	34.40		
	Ch:00-46.3 (16th cross road) cross		1	46.30		0.40	18.52		
	Ch:00-100.5 (Gnana Bharathi School Main Road)		1	100.50		0.40	40.20		
	A Sector								
	Ch:00-177 (2nd A cross Major Akshay Girish Kumar Road)		2	177.00		0.40	141.60		
	Ch:00-196.5 1st A Main Road		2	196.50		0.40	157.20		
	Hanumappa layout & Allalasandra								
	Ch:00-170.3 LHS		1	76.00		0.40	30.40		
	Ch:00-170.3 RHS		1	24.00		0.40	9.60		
	Ch:00-129.2 BHS		2	129.20		0.40	103.36		
	Ch:00-85.4 RHS		1	85.40		0.40	34.16		
	Ch:00-64.5 BHS 3rd main road		2	64.50		0.40	51.60		
	Near SWD		1	60.00		0.40	24.00		
						Total Qty	1485.56	93.50	138899.86

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
9	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.								
	KPWD SR 2021-22	It.no	13.10		Pg.no	99			
	Vijaya jyothi								
	One cubic mt 90kg For Culvert		1	3.25			3.25		
	One cubic mt 60kg For RCC Drian		1	0.21			0.21		
	5th phase								
	One cubic mt 90kg For Culvert		1	4.75			4.75		
	One cubic mt 60kg For RCC Drian		1	20.26			20.26		
	KHB colony								
	One cubic mt 90kg For Culvert		1	1.68			1.68		
	One cubic mt 60kg For RCC Drian		1	8.66			8.66		
	Vinayaka layout								
	One cubic mt 90kg For Culvert		1	2.46			2.46		
	One cubic mt 60kg For RCC Drian		1	10.26			10.26		
		Tonn							
	5th phase cobble stone								
	One cubic mt 90kg For Culvert		1	0.84			0.84		
	Kondappa Layout								
	One cubic mt 90kg For Culvert		1	3.97			3.97		
	One cubic mt 60kg For RCC Drian		1	12.44			12.44		
	A Sector								
	One cubic mt 60kg For RCC Drian		1	11.32			11.32		
	One cubic mt 90kg For Culvert		1	0.80			0.80		
	Hanumappa layout & Allalasandra								
	One cubic mt 90kg For Culvert		1	3.97			3.97		
	One cubic mt 60kg For RCC Drian		1	6.90			6.90	✓	
						Total Qty	**91.77**	**113661.90**	**10430752.56**
10	Appendix I – Additionalities for Formwork, Centering & Scaffolding Steel Channels for Road works-5% (Percentage on finished rate of concrete per m3) Culverts (Head walls)-8%(Percentage on finished rate of concrete per m3)								
	KPWD SR 2021-22	It.no			Pg.no	115			
	For Drain								
	Vijaya jyothi		1	3.43			3.43		
	5th phase		1	337.72			337.72		
	KHB colony		1	144.39			144.39		
	Vinayaka layout		1	171.05			171.05		
	Kondappa Layout		1	207.29			207.29		
	A Sector		1	188.64			188.64		
	Hanumappa layout & Allalasandra		1	114.98			114.98	✓	
						Total Qty	**1167.50**	**344.08**	**4,01,713.40**
	For Culvert								
	Vijaya jyothi	cum	1	36.07			36.07		

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	5th phase		1	52.77			52.77		
	KHB colony		1	18.70			18.70		
	Vinayaka layout		1	27.37			27.37		
	5th phase cobble stone		1	9.35			9.35		
	Kondappa Layout		1	44.09			44.09		
	A Sector		1	8.84			8.84		
	Hanumappa layout & Allalasandra		1	44.09			44.09		
						Total Qty	241.28	550.53	1,32,831.40
11.	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coa								
	KPWD SR 2021-22		lt.no	2.4.2	Pg.no	15			
	Vijaya jyothi								
	New RCC Drains Raft								
	Ch:00-133.2		1	10.90	0.90	0.15	1.47		
	Side Wall								
	Ch:00-133.2		1 2	10.90	0.15	0.60	1.96		
	New Culvert								
	Raft		9 1	6.00	1.50	0.20	16.20		
	Side Wall		9 2	6.00	0.23	0.80	19.87		
	BBMP office back side								
	Ch:00-30.6 Couping concrete		1	30.60	0.15	0.15	0.69		
	5th phase								
	New RCC Drains Raft								
	Ch:00-597.1 RHS		1	101.40	1.20	0.15	18.25		
			1	52.10	1.20	0.15	9.38		
			1	147.50	1.20	0.15	26.55		
	Ch:00-157.2 BHS 4th cross road		2	157.20	1.20	0.15	56.59		
	Ch:00-79.3 LHS 2nd cross road		1	79.30	1.20	0.15	14.27		
	1st cross Vinayaka nagar		1	109.40	1.20	0.15	19.69		
	Side Wall								
	Ch:00-597.1 RHS		1 2	101.40	0.15	0.80	24.34		
			1 2	52.10	0.15	0.80	12.50		
			1 2	147.50	0.15	0.80	35.40		
	Ch:00-157.2 BHS 4th cross road		2 2	157.20	0.15	0.80	75.46		
	Ch:00-79.3 LHS 2nd cross road		1 2	79.30	0.15	0.80	19.03		
	1st cross Vinayaka nagar		1 2	109.40	0.15	0.80	26.26		
	New Culvert								
	cross roads-Raft		10 1	6.00	1.50	0.20	18.00		
	1st cross Vinayaka nagar		1 1	12.00	1.50	0.20	3.60		
	1st cross Vinayaka nagar		1 1	7.00	1.50	0.20	2.10		
	cross roads-Side Wall		10 2	6.00	0.23	0.80	22.08		
	1st cross Vinayaka nagar		1 2	12.00	0.23	0.80	4.42		
	1st cross Vinayaka nagar		1 2	7.00	0.23	0.80	2.58		
	KHB colony								
	New RCC Drains Raft								
	Industrial estate Lshape BHS		2	229.20	0.90	0.15	61.88		
	Side Wall								
	Industrial estate Lshape BHS		2 2	229.20	0.15	0.60	82.51		
	New Culvert								
	Raft		4 1	7.00	1.50	0.20	8.40		
	Side Wall		4 2	7.00	0.23	0.80	10.30		
	Vinayaka layout								

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Sl. No	Description of Work	Unit	No		Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	New RCC Drains Raft									
	ISAAC layout									
	Ch:00-37.4		1		37.40	0.90	0.15	5.05		
	Ch:00-37.2		1		37.20	0.90	0.15	5.02		
	Ch:00-36.5		2		36.50	0.90	0.15	9.86		
	Ch:00-35.2		2		35.20	0.90	0.15	9.50		
	Ch:00-35.5		2		35.50	0.90	0.15	9.59		
	Ch:00-34.9		2		34.90	0.90	0.15	9.42		
	Main road LHS		1		22.00	0.90	0.15	2.97		
	Susheelamma layout									
	Ch:00-50.1		2		50.10	0.90	0.15	13.53		
	Vinayaka layout									
	Ch:00-31		2		31.00	0.90	0.15	8.37		
	Side Wall									
	ISAAC layout									
	Ch:00-37.4		1	2	37.40	0.15	0.60	6.73		
	Ch:00-37.2		1	2	37.20	0.15	0.60	6.70		
	Ch:00-36.5		2	2	36.50	0.15	0.60	13.14		
	Ch:00-35.2		2	2	35.20	0.15	0.60	12.67		
	Ch:00-35.5		2	2	35.50	0.15	0.60	12.78		
	Ch:00-34.9		2	2	34.90	0.15	0.60	12.56		
	Main road LHS		1	2	22.00	0.15	0.60	3.96		
	Susheelamma layout									
	Ch:00-50.1		2	2	50.10	0.15	0.60	18.04		
	Vinayaka layout									
	Ch:00-31		2	2	31.00	0.15	0.60	11.16		
	New Culvert									
	Raft		6	1	6.83	1.50	0.20	12.29		
	Side Wall		6	2	6.83	0.23	0.80	15.08		
	5th phase cobble stone									
	New Culvert	Cum								
	Raft		2	1	7.00	1.50	0.20	4.20		
	Side Wall		2	2	7.00	0.23	0.80	5.15		
	Kondappa Layout									
	New RCC Drains Raft									
	Gnana Bharathi School Roads									
	Ch:00-70.0 main road		1		70.00	0.90	0.15	9.45		
	Ch:00-30.0 cross road		2		30.00	0.90	0.15	8.10		
	Ch:00-46.0 cross road		1		46.00	0.90	0.15	6.21		
	Ch:00-30.0 cross road		1		30.00	0.90	0.15	4.05		
	Ganesha Temple opposite Roads									
	Ch:00-44.9 26th cross road		2		44.90	0.90	0.15	12.12		
	Ch:00-115.0 cross road		2		115.00	0.90	0.15	31.05		
	Ch:00-43.0 cross road		2		43.00	0.90	0.15	11.61		
	Ch:00-46.3 (16th cross road) cross road		1		46.30	0.90	0.15	6.25		
	Side Wall									
	Kondappa layout									
	Gnana Bharathi School Roads									
	Ch:00-70.0 main road		1	2	70.00	0.15	0.60	12.60		
	Ch:00-30.0 cross road		2	2	30.00	0.15	0.60	10.80		
	Ch:00-46.0 cross road		1	2	46.00	0.15	0.60	8.28		
	Ch:00-30.0 cross road		1	2	30.00	0.15	0.60	5.40		
	Ganesha Temple opposite Roads									
	Ch:00-44.9 26th cross road		2	2	44.90	0.15	0.60	16.16		
	Ch:00-115.0 cross road		2	2	115.00	0.15	0.60	41.40		
	Ch:00-43.0 cross road		2	2	43.00	0.15	0.60	15.48		
	Ch:00-46.3 (16th cross road) cross road		1	2	46.30	0.15	0.60	8.33		
	New Culvert									
	Raft									
	Side Wall		11	1	6.00	1.50	0.20	19.80		
	Couping Concrete		11	2	6.00	0.23	0.80	24.29		

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Sl. No	Description of Work	Unit	No		Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Ch:00-100.5 (Gnana Bharathi School Main Road)		1	2	100.50	0.15	0.15	4.52		
	A Sector									
	Raft									
	New RCC Drains									
	Ch:00-196.5 1st A Main Road		2		196.50	1.20	0.15	70.74		
	Side Wall									
	Ch:00-196.5 1st A Main Road		2	2	196.50	0.20	0.75	117.90		
	SSM Drain- Only Bottom Raft									
	Ch:00-177 (2nd A cross Connecting Major Akshay Girish Kumar Road)		2		177.00	0.75	0.15	39.83		
	Coping		2		176.50	0.45	0.10	15.89		
	New Culvert									
	Raft		2	1	6.62	1.50	0.20	3.97		
	Side Wall		2	2	6.62	0.23	0.80	4.87		
	Hanumappa layout & Allalasandra									
	New RCC Drains									
	Ch:00-170.3 LHS 3rd cross road		1		76.00	0.90	0.15	10.26		
	Ch:00-170.3 RHS		1		24.00	0.90	0.15	3.24		
	Ch:00-129.2 RHS		1		82.00	0.90	0.15	11.07		
	Ch:00-129.2 LHS		1		34.00	0.90	0.15	4.59		
	Ch:00-89 RHS		1		89.00	0.90	0.15	12.02		
	Near SWD		1		60.00	0.90	0.15	8.10		
	Side Wall									
	New RCC Drains									
	Ch:00-170.3 LHS 3rd cross road		1	2	76.00	0.15	0.60	13.68		
	Ch:00-170.3 RHS		1	2	24.00	0.15	0.60	4.32		
	Ch:00-129.2 RHS		1	2	82.00	0.15	0.60	14.76		
	Ch:00-129.2 LHS		1	2	34.00	0.15	0.60	6.12		
	Ch:00-89 RHS		1	2	89.00	0.15	0.60	16.02		
	Near SWD		1	2	60.00	0.15	0.60	10.80		
	New Culvert 6.0m									
	Raft		11	1	6.00	1.50	0.20	19.80		
	Side Wall		11	2	6.00	0.23	0.80	24.29	✓	
							Total Qty	**1469.72**	**6881.60**	**10114025.15**
12	Providing and fixing 100 mm thick Pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers complete as									
	Approved Data Rate									
	Vijaya jyothi									
	New CC Drain									
	Ch:00-133.2		1		10.90	0.90		9.81		
	50% Damaged Slabs					333.00		333.00		
	5th phase									
	New RCC Drains									
	Ch:00-597.1 RHS		1		101.40	1.20		121.68		
			1		52.1	1.2		62.52		
			1		147.50	1.20		177.00		
	Ch:00-157.2 BHS 4th cross road		2		157.2	1.2		377.28		
	Ch:00-79.3 LHS 2nd cross road		1		79.30	1.20		95.16		
	1st cross Vinayaka nagar		1		109.40	1.20		131.28		
	KHB colony									
	New CC Drain									
	Industrial estate Lshape BHS		2		229.20	0.90		412.56		
	Vinayaka layout									

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	New CC drain								
	ISAAC layout								
	Ch:00-37.4		1	37.40	0.90		33.66		
	Ch:00-37.2		1	37.20	0.90		33.48		
	Ch:00-36.5		2	36.50	0.90		65.70		
	Ch:00-35.2		2	35.20	0.90		63.36		
	Ch:00-35.5		2	35.50	0.90		63.90		
	Ch:00-34.9		2	34.90	0.90		62.82		
	Main road LHS		1	22.00	0.90		19.80		
	Susheelamma layout								
	Ch:00-50.1		2	50.10	0.90		90.18		
	Vinayaka layout								
	Ch:00-31	Sqm	2	31.00	0.90		55.80		
	Kondappa Layout								
	New CC drain								
	Gnana Bharathi School Roads								
	Ch:00-70.0 main road		1	70.00	0.90		63.00		
	Ch:00-30.0 cross road		1	30.00	0.90		27.00		
	Ch:00-46.0 cross road		1	46.00	0.90		41.40		
	Ch:00-30.0 cross road		1	30.00	0.90		27.00		
	Ganesha Temple opposite Roads								
	Ch:00-44.9 26th cross road		1	44.90	0.90		40.41		
	Ch:00-115.0 cross road		1	115.00	0.90		103.50		
	Ch:00-43.0 cross road		1	43.00	0.90		38.70		
	Ch:00-46.3 (16th cross road) cross		1	46.30	0.90		41.67		
	Cover Slab for Damaged Portion of		1	21.60			21.60		
	A Sector								
	Ch:00-177 (2nd A cross Major Akshay Girish Kumar Road)		2	177.00	1.50		283.61		
	Ch:00-196.5 1st A Main Road		2	196.50	1.50		314.85		
	Hanumappa layout & Allalasandra								
	New RCC Drains								
	Ch:00-170.3 LHS 3rd cross road		1	76.00	0.90		68.40		
	Ch:00-170.3 RHS		1	24.00	0.90		21.60		
	Ch:00-129.2 RHS		1	82.00	0.90		73.80		
	Ch:00-129.2 LHS		1	34.00	0.90		30.60		
	Near SWD		1	60.00	0.90		54.00		
	Cover Slab for Damaged Portion of Existing Drain		1	95.40			95.40		
						Total Qty	**3555.53**	**2072.00**	**7367056.19**
13	Providing and fixing 230 mm thick Pre cast RCC covering slab using reinforced cement concrete M 25 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers complete as								
	Approved Data Rate								
	Vijaya jyothi								
	New Culvert		9	6.00	1.50		81.00		
	5th phase								
	Cross Roads		10	6.00	1.50		90.00		
	1st cross Vinayaka nagar		1	12.00	1.50		18.00		
	1st cross Vinayaka nagar (Existing cover slab to be used)		1	7.00	1.50		10.50		
	KHB colony								
	New Culvert		4	7.00	1.20		33.60		
	Vinayaka layout								
	New Culvert	Sqm	6	6.83	1.50		61.47		
	5th phase cobble stone								

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	New Culvert		2	7.00	1.50		21.00		
	Kondappa Layout								
	New Culvert		11	6.00	1.50		99.00		
	A Sector								
	New Culvert		2	6.62	1.50		19.86		
	Hanumappa layout & Allalasandra								
	New Culvert		11	6.00	1.50		99.00	✓	
						Total Qty	533.43	5037.00	2686886.91
14	Providing and fixing 150 mm thick Pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers complete as								
	Approved Data Rate								
	Hanumappa layout & Allalasandra	Sqm							
	Ch:00-89 RHS		1	89.00	0.90		80.10	✓	
						Total Qty	80.10	2562.00	205216.20
15	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average th								
	KPWD S.R 2021-22	It. No.	9.31		Pg.No.	64			
	5th phase	Sqm							
	Ch:00-597.1 RHS		1	101.40	1.2		121.68		
	KEB power station		1	210.20	1.2		252.24		
	A Sector								
	New Footpath Pavers Provision								
	Ch:00-196.5 1st A Main Road		2	196.50	1.8		707.40	✓	
						Total Qty	1081.32	1195.70	1292934.32
16	Providing and laying flooring with burnt stone slabs 10 cms thick rough chistle dressed on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3, , including cost of materials, mortar, labour, curing complete as per specifications.								
	KPWD S.R 2021-22	It. No.	9.3		Pg.No.	63			
	A Sector	Sqm							
	Dressing for stone slab								
	Ch:00-177 (2nd A cross Connecting Major Akshay Girish Kumar Road)		1	177.00	1.50		265.50	✓	
						Total Qty	265.50	1065.90	282996.45
17	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average th								
	KPWD S.R 2021-22	It. No.	9.32		pg.no	64			
	5th Phase Cobble stone	Sqm							
	Compound area 2nd cross 5th phase		5	1	15	12	450.00		
			1	1	12	9	54.00		
			1		4	10	40.00		
	Shed parking 5th main road		1	1	28	17	238.00		
	Keb power station		3		50	11	1650.00		
	NHIG-A block		4		15	2.94	176.40	✓	
						Total Qty	2608.40	1259.50	3285279.80

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
18	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead								
	KPWD S.R 2021-22	It. No.	3.50		Pg.No.	15			
	5th phase cobble stone	Sqm							
	Ch:00-130		1	130.00	5.50		715.00		
	Ch:00-165		1	165.00	5.50		907.50		
	Ch:00-56.51 cross road		1	56.51	4.00		226.04		
	Hanumappa layout & Allalasandra								
	Ch:00-58		1	58.00	4.50		261.00	✓	
						Total Qty	2109.54	4.40	9281.98
19	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring,								
	KPWD S.R 2021-22	It. No.	1.12		Pg.No.	8			
	Vijaya jyothi	Cum							
	New CC Road								
	Kamakshamma layout								
	Ch:00-97.5		1	97.50	3.50	0.45	153.56		
	Ch:00-54.2		1	54.20	3.50	0.45	85.37		
	Ch:00-54.3		1	54.30	3.50	0.45	85.52		
	Ch:00-37		1	37.00	4.50	0.45	74.93		
	Ch:00-160.2		1	160.20	4.80	0.45	346.03		
	Ch:00-45.4		1	45.40	4.00	0.45	81.72		
	Bestra colony								
	Ch:00-133.2		1	133.20	4.00	0.45	239.76		
	BBMP office back side								
	Ch:00-30		1	30.00	3.00	0.45	40.50		
	Vinayaka Badavane								
	Ch:00-37 Royal Mart Road		1	37.00	7.00	0.45	116.55		
	5th phase								
	BWSSB cutting								
	Ch:00-597.1 5th main L-shape LHS		1	597.10	0.93	0.45	249.89		
	Ch:00-597.1 5th main L-shape RHS		1	597.10	1.20	0.45	322.43		
	KHB colony								
	New CC Road								
	JP colony								
	Ch:00-330		1	330.00	5.00	0.45	742.50		
	Vinayaka layout								
	New CC Road								
	ISAAC layout								
	Ch:00-37.4 1st cross		1	37.40	3.50	0.45	58.91		
	Ch:00-37.2 3rd cross		1	37.20	4.10	0.45	68.63		
	Ch:00-36.5 8th cross		1	36.50	4.00	0.45	65.70		
	Ch:00-35.2 9th cross		1	35.20	4.00	0.45	63.36		
	Ch:00-35.5 10th cross		1	35.50	4.00	0.45	63.90		
	Ch:00-34.9 11th cross		1	34.90	4.00	0.45	62.82		
	Susheelamma layout								
	Ch:00-50.1 cross road		1	50.10	3.50	0.45	78.91		
	Vinayaka layout								
	Ch:00-31		1	31.00	5.50	0.45	76.73		
	5th phase cobble stone								
	Industrial estate New BC								
	Ch:00-130		1	130.00	5.50	0.45	321.75		
	Ch:00-51.3		1	51.30	6.80	0.45	156.98		
	Ch:00-165.27		1	165.27	7.00	0.45	520.60		

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Ch:00-56.51		1	56.51	3.50	0.45	89.00		
	Ch:00-45.4		1	45.40	5.00	0.45	102.15		
	Ch:00-45.1		1	45.10	4.00	0.45	81.18		
	Kondappa Layout								
	Gnana Bharathi School Roads								
	Ch:00-70.3 main road		1	70.30	5.00	0.45	158.18		
	Ch:00-30.2 cross road		1	30.20	6.50	0.45	88.34		
	Ch:00-46.2 cross road		1	46.20	4.00	0.45	83.16		
	Ch:00-30.4 cross road		1	30.40	3.50	0.45	47.88		
	Ganesha Temple opposite Roads								
	Ch:00-44.9 26th cross road		1	44.90	5.00	0.45	101.03		
	Ch:00-115.3 cross road		1	115.30	3.40	0.45	176.41		
	Ch:00-43.3 cross road		1	43.30	6.80	0.45	132.50		
	Ch:00-46.5 (16th cross road) cross road		1	46.50	4.00	0.45	83.70		
	Ch:00-74.6 cross road		1	74.60	5.20	0.45	174.56		
	A Sector								
	Overlay BC Road								
	A Sector BWSSB cutting								
	Ch:00-168 1st A main road		2	168.00	0.70	0.45	105.84		
	Hanumappa layout & Allalasandra								
	New CC Road								
	Ch:00-129.20		1	129.20	4.50	0.30	174.42		
	Ch:00-54		1	54.00	4.00	0.30	64.80		
	Ch:00-58		1	58.00	4.50	0.30	78.30		
	Allalasandra								
	Ch:00:95 anriya apartments beside Rd		1	95.00	3.91	0.30	111.44		
	Ch:00-29.2		1	29.20	4.20	0.30	36.79	✓	
						Total Qty	5966.73	71.50	426621.20
20	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power rol								
	SR 2021-22	It. No.	4.10		Pg.No.	19			
	Vijaya jyothi								
	New CC Road								
	Kamakshamma layout								
	Ch:00-97.5		1	97.50	3.50	0.15	51.19		
	Ch:00-54.2		1	54.20	3.50	0.15	28.46		
	Ch:00-54.3		1	54.30	3.50	0.15	28.51		
	Ch:00-37.1		1	37.00	4.50	0.15	24.98		
	Ch:00-160.2		1	160.20	4.80	0.15	115.34		
	Ch:00-45.4		1	45.40	4.00	0.15	27.24		
	Bestra colony								
	Ch:00-133.2		1	133.20	4.00	0.15	79.92		
	BBMP office back side								
	Ch:00-30		1	30.00	3.00	0.15	13.50		
	Vinayaka Badavane								
	Ch:00-37 Royal Mart Road		1	37.00	7.00	0.15	38.85		
	5th phase								
	BWSSB cutting								
	Ch:00-597.1 5th main L-shape LHS		1	597.10	0.93	0.15	83.30		
	Ch:00-597.1 5th main L-shape RHS		1	597.10	1.20	0.15	107.48		
	KHB colony								

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Sl. No	Description of Work	Unit	No		Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	New CC Road									
	JP colony									
	Ch:00-330		1		330.00	5.00	0.15	247.50		
	Vinayaka layout									
	New CC Road									
	ISAAC layout									
	Ch:00-37.4 1st cross		1		37.40	3.50	0.15	19.64		
	Ch:00-37.2 3rd cross		1		37.20	4.10	0.15	22.88		
	Ch:00-36.5 8th cross		1		36.50	4.00	0.15	21.90		
	Ch:00-35.2 9th cross		1		35.20	4.00	0.15	21.12		
	Ch:00-35.5 10th cross		1		35.50	4.00	0.15	21.30		
	Ch:00-34.9 11th cross		1		34.90	4.00	0.15	20.94		
	Susheelamma layout									
	Ch:00-50.1 cross road	Cum	1		50.10	3.50	0.15	26.30		
	Vinayaka layout									
	Ch:00-31		1		31.00	5.50	0.15	25.58		
	5th phase cobble stone									
	Industrial estate New BC									
	Ch:00-130		1		130.00	5.50	0.15	107.25		
	Ch:00-51.3		1		51.30	6.80	0.15	52.33		
	Ch:00-165.27		1		165.27	7.00	0.15	173.53		
	Ch:00-56.51		1		56.51	3.50	0.15	29.67		
	Ch:00-45.4		1		45.40	5.00	0.15	34.05		
	Ch:00-45.1		1		45.10	4.00	0.15	27.06		
	Cobble stones (GSB)									
	Compound area 2nd cross 5th phas		5	0.5	15.00	12.00	0.10	45.00		
			1	0.5	12.00	9.00	0.10	5.40		
	Shed parking 5th main road		1		4.00	10.00	0.10	4.00		
	Keb power station		1	0.5	28.00	17.00	0.10	23.80		
	NHIG-A block		3		50.00	11.00	0.10	165.00		
			4		15.00	2.94	0.10	17.64		
	Kondappa Layout									
	New CC Road									
	Gnana Bharathi School Roads									
	Ch:00-70.3 main road		1		70.30	5.00	0.15	52.73		
	Ch:00-30.2 cross road		1		30.20	6.50	0.15	29.45		
	Ch:00-46.2 cross road		1		46.20	4.00	0.15	27.72		
	Ch:00-30.4 cross road		1		30.40	3.50	0.15	15.96		
	Ganesha Temple opposite Roads									
	Ch:00-44.9 26th cross road		1		44.90	5.00	0.15	33.68		
	Ch:00-115.3 cross road		1		115.30	3.40	0.15	58.80		
	Ch:00-43.3 cross road		1		43.30	6.80	0.15	44.17		
	Ch:00-46.5 (16th cross road) cross road		1		46.50	4.00	0.15	27.90		
	Ch:00-74.6 cross road		1		74.60	5.20	0.15	58.19		
	A Sector									
	A Sector BWSSB cutting									
	Ch:00-168 1st A main road		2		168.00	0.70	0.15	35.28	✓	
								Total Qty	**2094.54**	**2581.70**	**5407473.92**
21	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with pave									
	SR 2021-22	It. No.	4.27			Pg.No.	24			
	5th phase									
	BWSSB cutting									
	Ch:00-597.1 5th main L-shape LHS		1		597.10	0.93	0.225	124.94		
	Ch:00-597.1 5th main L-shape RHS		1		597.10	1.2	0.225	161.22		

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	5th phase cobble stone								
	Industrial estate New BC								
	Ch:00-130	Cum	1	130.00	5.50	0.225	160.88		
	Ch:00-51.3		1	51.30	6.80	0.225	78.49		
	Ch:00-165.27		1	165.27	7.00	0.225	260.30		
	Ch:00-56.51		1	56.51	3.50	0.225	44.50		
	Ch:00-45.4		1	45.40	5.00	0.225	51.08		
	Ch:00-45.1		1	45.10	4.00	0.225	40.59		
	A Sector								
	Overlay BC Road								
	A Sector BWSSB cutting								
	Ch:00-168 1st A main road		2	168.00	0.70	0.20	47.04	✓	
						Total Qty	969.04	2633.40	2551869.94
22	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. Volume-3								
	Approved Data Rate	It. No.	5.10		Pg.No.	29			
	5th phase								
	Overlay BC road								
	Ch:00-597.1 5th main L-shape	Sqm	1	597.10	6.50		1164.35		
	DBM for 30% Camber Correction								
	BWSSB cutting								
	Ch:00-597.1 5th main L-shape LHS		1	597.10	0.93		555.30		
	Ch:00-597.1 5th main L-shape RHS		1	597.10	1.20		716.52		
	5th phase cobble stone								
	Industrial estate New BC								
	Ch:00-130		1	130.00	5.50		715.00		
	Ch:00-51.3		1	51.30	6.80		348.84		
	Ch:00-165.27		1	165.27	7.00		1156.89		
	Ch:00-56.51		1	56.51	3.50		197.79		
	Ch:00-45.4		1	45.40	5.00		227.00		
	Ch:00-45.1		1	45.10	4.00		180.40		
	A Sector								
	Overlay BC Road								
	A Sector BWSSB cutting								
	Ch:00-168 1st A main road		1	168.00	11.50		676.20	✓	
						Total Qty	5938.29	48.40	287412.99
23	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site								
	SR 2021-22	It. No.	5.12.C		Pg.No.	33			
	5th phase								
	Overlay BC road								
	DBM for 30% Camber Correction		1	2436.17		0.05	121.81		
	BWSSB cutting								
	Ch:00-597.1 5th main L-shape LHS		1	597.10	0.93	0.05	27.77		
	Ch:00-597.1 5th main L-shape RHS		1	597.10	1.20	0.05	35.83		
	5th phase cobble stone								
	Industrial estate New BC								
	Ch:00-130	Cum	1	130.00	5.50	0.05	35.75		
	Ch:00-51.3		1	51.30	6.80	0.05	17.44		
	Ch:00-165.27		1	165.27	7.00	0.05	57.84		

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Ch:00-56.51		1	56.51	3.50	0.05	9.89		
	Ch:00-45.4		1	45.40	5.00	0.05	11.35		
	Ch:00-45.1		1	45.10	4.00	0.05	9.02		
	A Sector								
	Overlay BC Road								
	A Sector BWSSB cutting								
	Ch:00-168 1st A main road		1	168.00	11.50	0.05	33.81		
						Total Qty	**360.51**	**10877.90**	**3921591.73**
24	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom Volume-3								
	SR 2021-22	It. No.	5.30		Pg.No.	29			
	5th phase								
	Overlay BC road								
	Ch:00-597.1 5th main L-shape		1	597.10	6.50		3881.15		
	5th phase cobble stone								
	Industrial estate New BC								
	Ch:00-130		1	130.00	5.50		715.00		
	Ch:00-51.3		1	51.30	6.80		348.84		
	Ch:00-165.27	Sqm	1	165.27	7.00		1156.89		
	Ch:00-56.51		1	56.51	3.50		197.79		
	Ch:00-45.4		1	45.40	5.00		227.00		
	Ch:00-45.1		1	45.10	4.00		180.40		
	A Sector								
	Overlay BC Road								
	Ch:00-196.5 1st A main road		1	168.00	11.50		1932.00		
						Total Qty	**8639.07**	**13.20**	**114035.66**
25	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechan								
	KPWD SR 2021-22	It.no	5.16C		Pg.no	36			
	5th phase								
	Overlay BC road								
	Ch:00-597.1 5th main L-shape		1	597.10	6.50	0.04	155.25		
	5th phase cobble stone								
	Industrial estate New BC								
	Ch:00-130		1	130.00	5.50	0.04	28.60		
	Ch:00-51.3		1	51.30	6.80	0.04	13.95		
	Ch:00-165.27	Cum	1	165.27	7.00	0.04	46.28		
	Ch:00-56.51		1	56.51	3.50	0.04	7.91		
	Ch:00-45.4		1	45.40	5.00	0.04	9.08		
	Ch:00-45.1		1	45.10	4.00	0.04	7.22		
	A Sector								
	Overlay BC Road								
	Ch:00-168 1st A main road		1	168.00	11.50	0.04	77.28		
						Total Qty	**345.56**	**12684.10**	**4383150.57**
26	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and								
	KPWD SR 2021-22	It.no	8.15		Pgno.	57			
	5th phase								
	BC Roads		2	1	597.1	0.1	119.42		
	5th phase cobble stone								
	BC Roads	Sqm	2	1	493.58	0.10	98.72		
	A Sector								
	BC Roads		2	1	168	0.1	33.60		

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
						Total Qty	251.74	525.80	132364.89
27	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 1								
	KPWD SR 2021-22	It.no	2.11		Pgno.	15			
	Vijaya jyothi								
	New CC Road								
	Kamakshamma layout								
	Ch:00-97.5	Cum	1	97.50	3.50	0.15	51.19		
	Ch:00-54.2		1	54.20	3.50	0.15	28.46		
	Ch:00-54.3		1	54.30	3.50	0.15	28.51		
	Ch:00-37.1		1	37.00	4.50	0.15	24.98		
	Ch:00-160.2		1	160.20	4.80	0.15	115.34		
	Ch:00-45.4		1	45.40	4.00	0.15	27.24		
	Bestra colony								
	Ch:00-133.2		1	133.20	4.00	0.15	79.92		
	BBMP office back side								
	Ch:00-30		1	30.00	3.00	0.15	13.50		
	Vinayaka Badavane								
	Ch:00-37 Royal Mart Road		1	37.00	7.00	0.15	38.85		
	KHB colony								
	New CC Road								
	JP colony								
	Ch:00-330		1	330.00	5.00	0.15	247.50		
	Vinayaka layout								
	New CC Road								
	ISAAC layout								
	Ch:00-37.4 1st cross		1	37.40	3.50	0.15	19.64		
	Ch:00-37.2 3rd cross		1	37.20	4.10	0.15	22.88		
	Ch:00-36.5 8th cross		1	36.50	4.00	0.15	21.90		
	Ch:00-35.2 9th cross		1	35.20	4.00	0.15	21.12		
	Ch:00-35.5 10th cross		1	35.50	4.00	0.15	21.30		
	Ch:00-34.9 11th cross		1	34.90	4.00	0.15	20.94		
	Susheelamma layout								
	Ch:00-50.1 cross road		1	50.10	3.50	0.15	26.30		
	Vinayaka layout								
	Ch:00-31		1	31.00	5.50	0.15	25.58		
	Kondappa layout								
	New CC Road								
	Gnana Bharathi School Roads								
	Ch:00-70.3 main road		1	70.30	5.00	0.15	52.73		
	Ch:00-30.2 cross road		1	30.20	6.50	0.15	29.45		
	Ch:00-46.2 cross road		1	46.20	4.00	0.15	27.72		
	Ch:00-30.4 cross road		1	30.40	3.50	0.15	15.96		
	Ganesha Temple opposite Roads								
	Ch:00-44.9 26th cross road		1	44.90	5.00	0.15	33.68		
	Ch:00-115.3 cross road		1	115.30	3.40	0.15	58.80		
	Ch:00-43.3 cross road		1	43.30	6.80	0.15	44.17		
	Ch:00-46.5 (16th cross road) cross		1	46.50	4.00	0.15	27.90		
	Ch:00-74.6 cross road		1	74.60	5.20	0.15	58.19		
	Hanumappa layout & Allalasandra								
	New CC Road								
	Ch:00-129.20								
	Ch:00-54		1	129.20	4.50	0.15	87.21		
	Ch:00-58		1	54.00	4.00	0.15	32.40		
	Allalasandra		1	58.00	4.50	0.15	39.15		
	Ch:00:95 anriya apartments beside Rd		1	95.00	3.91	0.15	55.72		
	Ch:00-29.2		1	29.20	4.20	0.15	18.40		
						Total Qty	1416.63	5473.60	7754065.97

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
28	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum								
	KPWD SR 2021-22	It.no	20.29		Pgno.	138			
	Vijaya jyothi								
	New CC Road								
	Kamakshamma layout								
	Ch:00-97.5		1	97.5	3.50	0.15	51.19		
	Ch:00-54.2		1	54.2	3.50	0.15	28.46		
	Ch:00-54.3		1	54.3	3.50	0.15	28.51		
	Ch:00-37.1		1	37	4.50	0.15	24.98		
	Ch:00-102.2		1	160.2	4.80	0.15	115.34		
	Ch:00-45.4		1	45.4	4.00	0.15	27.24		
	Bestra colony								
	Ch:00-133.2		1	133.2	4.00	0.15	79.92		
	BBMP office back side								
	Ch:00-30		1	30.00	3.00	0.15	13.50		
	Vinayaka Badavane								
	Ch:00-37 Royal Mart Road		1	37.00	7.00	0.15	38.85		
	KHB colony								
	New CC Road								
	JP colony								
	Ch:00-330		1	330.00	5.00	0.15	247.50		
	Vinayaka layout								
	New CC Road								
	ISAAC layout								
	Ch:00-37.4 1st cross		1	37.40	3.50	0.15	19.64		
	Ch:00-37.2 3rd cross		1	37.20	4.10	0.15	22.88		
	Ch:00-36.5 8th cross		1	36.50	4.00	0.15	21.90		
	Ch:00-35.2 9th cross		1	35.20	4.00	0.15	21.12		
	Ch:00-35.5 10th cross		1	35.50	4.00	0.15	21.30		
	Ch:00-34.9 11th cross		1	34.90	4.00	0.15	20.94		
	Susheelamma layout								
	Ch:00-50.1 cross road	Cum	1	50.10	3.50	0.15	26.30		
	Vinayaka layout								
	Ch:00-31		1	31.00	5.50	0.15	25.58		
	Kondappa layout								
	New CC Road								
	Gnana Bharathi School Roads								
	Ch:00-70.3 main road		1	70.30	5.00	0.15	52.73		
	Ch:00-30.2 cross road		1	30.20	6.50	0.15	29.45		
	Ch:00-46.2 cross road		1	46.20	4.00	0.15	27.72		
	Ch:00-30.4 cross road		1	30.40	3.50	0.15	15.96		
	Ganesha Temple opposite Roads								
	Ch:00-44.9 26th cross road		1	44.90	5.00	0.15	33.68		
	Ch:00-115.3 cross road		1	115.30	3.40	0.15	58.80		
	Ch:00-43.3 cross road		1	43.30	6.80	0.15	44.17		
	Ch:00-46.5 (16th cross road) cross		1	46.50	4.00	0.15	27.90		
	Ch:00-74.6 cross road		1	74.60	5.20	0.15	58.19		
	Overlay CC Road								
	Ch:00-100.5 (Gnana Bharathi Scho		1	100.50	5.00	0.15	75.38		
	Hanumappa layout & Allalasandra								
	New CC Road								
	Ch:00-129.20		1	129.20	4.5	0.15	87.21		
	Ch:00-54		1	54.00	4	0.15	32.40		
	Ch:00-58		1	58.00	4.5	0.15	39.15		
	Allalasandra								
	Ch:00:95 anriya apartments beside		1	95.00	3.91	0.15	55.72		
	Ch:00-29.2		1	29.20	4.2	0.15	18.40		

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
						Total Qty	1492.01	7520.70	11220959.61
29	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (V-III Page No.3, Item No.1.4 A of PWD SR 2021-22)								
	PWD SR	it.no	1.4A		Pg no.	3			
	Vijaya jyothi		1	383.69	1.28		491.12		
			1	1223.9	1.28		1566.64		
	5th phase		1	1424.1	1.28		1822.89		
			1	572.32	1.28		732.57		
	KHB colony		1	577.18	1.28		738.79		
			1	742.5	1.28		950.40		
	Vinayaka layout		1	698.93	1.28		894.63		
			1	538.96	1.28		689.87		
	5th phase cobble stone	T.Km	1	416.46	1.28		533.07		
			1	1271.7	1.28		1627.72		
	Kondappa layout		1	897.87	1.28		1149.28		
			1	1045.8	1.28		1338.57		
	A Sector		1	1043.8	1.28		1336.08		
			1	105.84	1.28		135.48		
	Hanumappa layout & Allalasandra		1	629.17	1.28		805.34		
			1	465.75	1.28		596.16		
						Total Qty	15408.61	105.60	1627149.22
30	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead Prestressed / Reinforced cement concrete grade M-20 & above								
	SR 21-22		It No.	2.7	Pg No	8			
	Exisiting School	Cum	2	28	8	0.3	134.40		
			2	6	7	0.3	25.20		
						Total Qty	159.60	2115.78	337678.49
31	Dismantling Brick / Tile work / rubble masonry / pitching / etc by mechanical means								
	SR 21-22		It No.	2.11	Pg No	8			
	Exisiting School	Cum	2	28	0.2	3	33.60		
			2	8	0.2	3	9.60		
			2	13	0.2	3	15.60		
						Total Qty	58.80	225.98	13287.62
32	Dismantling Stone Masonry								
	SR 21-22		It No.	2.10	Pg No	8			
	Exisiting School		1	90	0.45	0.6	24.30		
						Total Qty	24.30	225.98	5491.31

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
33	Earth work excavation for FOUNDATION by Mechanical means depth upto 1.50m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including cost of explosives, dressing of excavated surfaces, disposing off or levelling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, blasting materials, tools, usage of Machinery & all other appurtenaces required to complete the work								
Puttenhalli Govt School			It No.	1.16.2	Pg No	9			
Footing									
F1			20	2.10	1.80	2.10	158.76		
SSM Foundation									
			3	29.60	0.75	0.90	59.94		
		Cum	6	9.00	0.75	0.90	36.45		
			1	13.20	0.75	0.90	8.91		
Compound			2	29.60	1.00	1.80	106.56		
			2	23.09	1.00	1.80	83.124		
Gate column			2	1.00	1.00	1.00	2		
Sump tank			1	3.00	2.50	2.75	20.625		
						Total Qty	**476.37**	**586.78**	**279523.80**
34	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work Depth exceeding 1.5 m, but not exceeding 3 Volume -1								
KPWD SR-2021-22		lt. No.		1.15.2		Pg.No.	9		
Vydika kendra									
Footing									
F1			17	1.80	1.80	2.10	115.67		
SSM Foundation									
		Cum	2	23.68	0.75	0.90	31.97		
			5	7.62	0.75	0.90	25.72		
			4	3.00	0.75	0.90	8.10		
Sump tank			1	3.00	3.00	3.15	28.35		
						Total Qty	**209.80**	**429.48**	**90106.00**
35	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits with Chlorpyriphos 20% E.C. / Lindane 20% E.C. @ 3.19 l/m2 including cost of chemical, diluting in water to one percent concentration, labour, usage charges of machinery, complete as per specifications.								
Anti tremite			It No.	4.1	Pg No	5			
Puttenhalli Govt School									
Footing									
F1			20	2.10	1.80		75.60		
SSM Foundation									
			3	29.60	0.75		66.60		
			6	9.00	0.75		40.50		
			1	13.20	0.75		9.90		
Compound			2	29.60	1.00		59.20		
			2	23.09	1.00		46.18		
Gate column			2	1.00	1.00		2.00		
Sump tank			1	3.00	2.50		7.50		
		Sqm							
Vydika kendra									
Footing									
F1									
SSM Foundation			17	1.80	1.80		55.08		
			2	23.68	0.75		35.52		

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
			5	7.62	0.75		28.58		
			4	3.00	0.75		9.00		
			1	3.00	3.00		9.00		
	Sump tank					**Total Qty**	**444.66**	**104.50**	**46466.45**
36	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20								
	Puttenhalli Govt School	Cum	It No.	2.20	Pg No	15			
	Footing		20	1.80	1.50	0.53	28.62		
	F1		2	0.80	0.80	0.45	0.58		
	Gate column								
	Column below Plinth		20	0.20	0.60	2.30	5.52		
	C1								
	GF		20	0.20	0.60	2.70	6.48		
	C1		2	0.20	0.60	3.15	0.76		
	Gate column								
	Vydika kendra								
	Footing		17	1.80	1.80	0.53	29.19		
	F1								
	Column below Plinth		17	0.20	0.60	2.30	4.69		
	C1								
	GF		17	0.20	0.60	2.70	5.51		
	C1						**Total Qty**	**81.34**	**6913.50**	**562374.51**
	Govt School FF								
	C1		20	0.20	0.60	2.70	6.48		
							Total Qty	**6.48**	**6982.64**	**45247.47**
37	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) 2.5.1 M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates								
	Puttenhalli Govt School		It No.	2.51	Pg No	17			
	Class Stage		4	3.00	1.50	0.15	2.70		
	Plinth Beam								
	PB1		3	29.60	0.20	0.45	7.99		
	PB2		6	9.00	0.20	0.45	4.86		
	PB3		1	13.20	0.20	0.45	1.19		
	GF BEAMS								
	B1		3	29.60	0.20	0.60	10.66		
	B2		6	9.00	0.20	0.60	6.48		
	B3		1	13.20	0.20	0.60	1.58		
	GF Roof Slab								
			1	29.60	9.00	0.15	39.96		
			1	5.90	7.30	0.15	6.46		
	Deduction for Staircase (Puttenhalli Govt School)		-1	2.48	5.10	0.15	-1.90		
	GF Staircase								
	Waist Slab		1	5.10	2.40	0.15	1.84		
	Steps		18	1	1.21	0.25	0.15	0.82		
	Staircase Side		1	5.10	2.40	0.15	1.84		
	GF Chejja								
	W		9	1.90	0.75	0.15	1.92		
	V		5	0.90	0.75	0.15	0.51		
	GF Lintel								

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Sl. No	Description of Work	Unit	No		Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	W		22		1.90	0.30	0.25	3.14		
	V		5		0.90	0.30	0.25	0.34		
	Sump tank Slab		1		3.00	2.50	0.15	1.13		
	Vydika kendra									
	Plinth Beam									
	PB1		2		23.68	0.20	0.45	4.26		
	PB2		5		7.62	0.20	0.45	3.43		
	PB3		4		3.00	0.20	0.45	1.08		
	GF BEAMS									
	B1		2		23.68	0.20	0.45	4.26		
	B2		5		7.62	0.20	0.45	3.43		
	B3		4		3.00	0.20	0.45	1.08		
	GF Roof Slab							0.00		
			1		23.90	7.85	0.15	28.14		
			1		3.46	3.46	0.15	1.80		
	Staircase till terrace	Cum								
	Waist Slab		1		4.80	2.40	0.15	1.73		
	Steps		18	1	1.20	0.25	0.15	0.81		
	Staircase Side		1		4.80	2.40	0.15	1.73		
	Sump tank Slab		1		3.00	3.00	0.15	1.35		
	Headroom									
	FF		1		4.80	2.40	0.20	2.30		
	GF Chejja									
	W1		1		1.20	0.75	0.15	0.14		
	W2		8		1.50	0.75	0.15	1.35		
	V		3		0.60	0.75	0.15	0.20		
	GF Lintel									
	W1		1		1.20	0.23	0.25	0.07		
	W2		8		1.50	0.23	0.25	0.69		
	V		3		0.60	0.23	0.25	0.10		
								Total Qty	149.45	7118.10	1063802.47
	Puttenhalli Govt School									
	Headroom									
	FF		1		5.10	2.48	0.20	2.53		
	FF BEAMS									
	B1		3		29.60	0.20	0.60	10.66		
	B2		6		9.00	0.20	0.45	4.86		
	B3		1		13.20	0.20	0.45	1.19		
	FF Roof Slab									
			1		29.60	9.00	0.15	39.96		
			1		5.90	7.30	0.15	6.46		
	FF Staircase									
	Waist Slab		1		5.10	2.40	0.15	1.84		
	Steps		18	1	1.21	0.25	0.15	0.82		
	Staircase Side		1		5.10	2.40	0.15	1.84		
	FF Chejja									
	W		9		1.90	0.75	0.15	1.92		
	V		5		0.90	0.75	0.15	0.51		
	FF Lintel									
	W		22		1.90	0.30	0.25	3.14		
	V		5		0.90	0.30	0.25	0.34		
	Deduction for Staircase (Puttenhalli Govt School)		-1		2.48	5.10	0.15	-1.90		
								Total Qty	74.15	7189.28	533071.89

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
38	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates								
	SR 21-22		It No.	2.1.4	Pg No	15			
	Puttenhalli Govt School	Cum							
	GF Toilet		1	6.33	2.90	0.08	1.47		
			1	6.33	3.05	0.08	1.54		
	Terrace screed concrete								
			1	28.00	9.00	0.06	15.12		
			1	5.90	7.30	0.08	3.45		
	Sump tank		1	3.00	3.00	0.15	1.35		
	Compound Couping		2	29.60	0.20	0.10	1.18		
	Vydika kendra								
	GF Toilet		1	5.92	2.92	0.08	1.38		
			1	5.92	2.92	0.08	1.38		
	Terrace Screed concrete								
			1	23.90	7.85	0.08	15.01		
			1	3.46	3.46	0.08	0.96		
	Sump tank		1	3.00	3.00	0.15	1.35	✓	
						Total Qty	**44.20**	**6518.60**	**288092.34**
39	Appendix I – Additionalities for Formwork, Centering & Scaffolding a. Isolated 8%								
	Puttenhalli Govt School	Cum	It No.		Pg No	115			
	Footing								
	F1		20	6.60		0.53	69.96		
			1	9.20		3.60	33.12		
	Vydika kendra								
	Footing								
	F1		17	6.60		0.53	59.47	✓	
						Total Qty	**162.55**	**608.39**	**98893.47**
40	Appendix I – Additionalities for Formwork, Centering & Scaffolding . Columns & Piers 10%								
	Puttenhalli Govt School	Sqm	It No.		Pg No	115			
	Column below Plinth								
			20	1.30		2.30	59.80		
	GF								
	C1		20	1.30		2.70	70.20		
	Gate column		2	1.30		3.15	8.19		
	FF		20	1.30		2.70	70.20		
	Vydika kendra								
	Column below Plinth		17	1.30		2.30	50.83		
	GF								
	C1		17	1.30		2.70	59.67	✓	
						Total Qty	**318.89**	**760.49**	**242511.06**
41	Appendix I – Additionalities for Formwork, Centering & Scaffolding .Roof (Straight & Arched) 20%								
	Puttenhalli Govt School	Sqm	It No.		Pg No	115			
	GF Roof Slab								
			1	29.60	9.00		266.40		
			1	5.90	7.30		43.07		
	Headroom		1	5.10	2.48		12.65		
	Staircase Deduction		-2	2.48	5.10		-25.30		
	FF Roof Slab								
			1	29.60	9.00		266.40		
			1	5.90	7.30		43.07		
	Vydika kendra								

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	GF Roof Slab		1	23.90	7.85		187.62		
			1	3.46	3.46		11.97	✓	
						Total Qty	805.88	1565.98	1261991.38
42	Appendix I – Additionalities for Formwork, Centering & Scaffolding .Beams & Lintels of Building								
	Puttenhalli Govt School		It No.			Pg No 115			
	Plinth Beam								
	PB1		3	29.60		0.90	79.92		
	PB2		6	9.00		0.90	48.60		
	PB3		1	13.20		0.90	11.88		
	GF BEAMS								
	B1		3	29.60		1.00	88.80		
	B2		6	9.00		1.00	54.00		
	B3		1	13.20		1.00	13.20		
	Vydika kendra								
	Plinth Beam								
	PB1		2	23.68		0.90	42.62		
	PB2		5	7.62		0.90	34.29		
	PB3	Sqm	4	3.00		0.90	10.80		
	GF BEAMS								
	B1		2	23.68		1.10	52.10		
	B2		5	7.62		1.10	41.91		
	B3		4	3.00		1.10	13.20	✓	
						Total Qty	491.32	1565.98	769398.28
	Puttenhalli Govt School								
	FF								
	Headroom		1	5.10		0.40	2.04		
	FF BEAMS								
	B1		3	29.60		1.10	97.68		
	B2		6	9.00		1.10	59.40		
	B3		1	13.20		1.10	14.52	✓	
						Total Qty	173.64	1581.64	274635.10
43	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)								
	Puttenhalli Govt School		It No.	5.40	Pg No	9			
	SSM Foundation								
			3	29.60	0.30	0.80	21.31		
			6	9.00	0.30	0.80	12.96		
			1	13.20	0.30	0.80	3.17		
	Compound	Cum	2	29.60	0.30	0.80	14.21		
	Vydika kendra								
	SSM Foundation		2	23.68	0.40	0.90	17.05		
			5	7.62	0.40	0.90	13.72		
			4	3.00	0.40	0.90	4.32	✓	
						Total Qty	86.73	5964.20	517296.54
44	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.								
	Puttenhalli Govt School		It No.	1.90	Pg No	7			
	Excavation						476.37		
	Vydika kendra	Cum							
	Excavation						209.80	✓	
						Total Qty	686.17	224.40	153977.11
45	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) Issue Rate (Kg 106.00 to 106000.00Tn)								
	Puttenhalli Govt School		It No.	11.32	Pg No	84			
	Footing			28.62		0.12	3.43		
	Column			6.10		0.12	0.73		
	Plinth Beam			14.04		0.10	1.40		
	GF								
	Columns			7.24		0.18	1.30		
	Roof Beam			18.72		0.15	2.81		

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Roof Slab			44.52		0.08	3.56		
	Chejja			2.43		0.08	0.19		
	Lintel			3.47		0.08	0.28		
	Staircase till terrace and Sump tank slab			11.52		0.10	1.15		
	FF								
	Headroom			2.53		0.08	0.20		
	Columns			6.48		0.12	0.78		
	Roof Beam			16.70		0.15	2.51		
	Roof Slab	Tn		54.91		0.08	4.39		
	Chejja			2.43		0.08	0.19		
	Lintel			3.47		0.08	0.28		
	Vydika kendra								
	Footing			29.19		0.12	3.50		
	Column			4.69		0.12	0.56		
	Plinth Beam			8.77		0.10	0.88		
	GF								
	Columns			5.51		0.18	0.99		
	Roof Beam			8.77		0.15	1.32		
	Roof Slab			29.94		0.08	2.40		
	Chejja			1.69		0.08	0.14		
	Lintel			0.86		0.08	0.07		
	Staircase till terrace and Sump tank slab			5.62		0.10	0.56		
						Total Qty	**33,63**	**116600.00**	**3921033.92**
46	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.								
	Puttenhalli Govt School		It No.	6.32	Pg No	17			
	Backside wall		1	46.00		2.70	124.20		
	Class room 1		1	13.71		2.70	37.02		
	Class room 2		1	13.71		2.70	37.02		
	Class room 3		1	13.71		2.70	37.02		
	Staircase		1	6.80		2.70	18.36		
	Class Room 4		1	24.80		2.70	66.96		
	Compound		1	58.60		2.50	146.50		
	Sump tank		1	11.00		2.75	30.25		
	Class stage		4	3.00		1.50	18.00		
	Vydika kendra								
	Room 1		2	7.62		2.55	38.86		
	Room 2		2	7.62		2.55	38.86		
	Room 3		1	7.62		2.55	19.43		
	Room 4		2	4.57		2.55	23.31		
	Staircase		1	7.62		2.55	19.43		
	Toilet Room		2	4.57		2.55	23.31		
	Sump tank		2	3.46		2.55	17.65		
	Head Room		2	3.46		2.55	17.65		
	Puttenhalli Govt School		1	7.20		2.55	18.36		
	Deduction		1	7.62		2.55	19.43		
	Doors		1	6.00		2.55	15.30		
	D		1	12.00		3.00	36.00		
	Windows		1	5.42		2.55	13.82		
	W					**Total Qty**	**816.73**		
	Ventilator								
			4	1.06		2.10	8.90		
		Sqm	15	1.60		1.60	38.40		

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	V		5	1.50		0.60	4.50		
	Vydika kendra								
	Deduction								
	Doors								
	D1		4	0.91		2.10	7.64		
	D2		9	0.75		2.10	14.18		
	Windows								
	W1		1	1.20		1.20	1.44		
	W2		8	1.50		1.20	14.40		
	Ventilator								
	V		3	0.60		0.60	1.08		
						Total Qty	**90.54**	✓	
						Total Qty	**726.19**	**1322.20**	**960168.00**
	Puttenhalli Govt School								
	FF								
	Backside wall		1	46.00		2.70	124.20		
	Class room 1		1	13.71		2.70	37.02		
	Class room 2		1	13.71		2.70	37.02		
	Class room 3		1	13.71		2.70	37.02		
	Staircase		1	6.80		2.70	18.36		
	Class Room 4		1	24.80		2.70	66.96		
	Headroom		1	10.06		2.00	20.12		
						Total Qty	**340.69**		
	Deduction								
	Doors								
	D		4	1.06		2.10	8.90		
	Windows								
	W		15	1.60		1.60	38.40		
	Ventilator								
	V		5	1.50		0.60	4.50		
						Total Qty	**51.80**	✓	
						Total Qty	**288.89**	**1335.42**	**385786.00**
47	KSRB 5-15: Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4.(I.tm No.5.28, P.No.27, SR:2018-19)								
	Puttenhalli Govt School		It No.	6.34	Pg No	17			
	Toilets		4	2.00		2.70	21.60		
			1	4.34		3.04	13.19		
	Urinal partition		3	0.50		1.80	2.70		
	Vydika kendra								
	Toilets		5	0.49		1.00	2.45		
			8	2.50		3.04	60.80		
						Total Qty	**100.74**		
	Puttenhalli Govt School								
	Door Deduction								
	D1		2	0.91		2.10	3.82		
	D2		4	0.75		2.10	6.30		
	Vydika kendra								
	Door Deduction								
	D2	Sqm	8	0.75		2.10	12.60		
						Total Qty	**22.72**	✓	
						Total Qty	**78.02**	**1040.60**	**81188.00**
	Puttenhalli Govt School								
	FF								
	Toilets		4	2.00		2.70	21.60		
			1	4.34		2.70	11.72		
			3	0.50		2.70	4.05		
	Door Deduction					**Total Qty**	**37.37**		

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	D1		2	0.91		2.10	3.82		
	D2		4	0.75		2.10	6.30		
						Total Qty	10.12		
						Total Qty	27.25	1049.52	28599.00
48	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.								
	Puttenhalli Govt School	Sqm	It No.	15.10	Pg No	133			
	GF Toilets		1	4.00	4.50		18.00		
	Sump tank		1	3.00	2.50		7.50		
	Terrace area		1	295.07			295.07		
	Vydika kendra								
	GF Toilets		1	7.62	6.05		46.10		
	Sump tank		1	13.50	3.00		40.50		
	Terrace area		1	194.73			194.73		
						Total Qty	601.90	819.50	493258.00
49	Providing and laying cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications.								
	Puttenhalli Govt School	Cum	It No.	7.18	Pg No	23			
	GF Toilets		1	4.00	4.50	0.45	8.10		
	Vydika kendra								
	GF Toilets		1	7.62	6.05	0.45	20.75		
						Total Qty	28.85	2218.70	63999.00
50	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.								
		Cum	It No.	12.11	Pg No	99			
	Puttenhalli Govt School								
	GF								
	D								
	D1		4	5.70	0.13	0.10	0.30		
	D2		2	5.70	0.13	0.10	0.15		
	Vydika kendra		4	5.70	0.13	0.10	0.30		
	D1		4	5.70	0.13	0.10	0.30		
	D2		9	5.70	0.13	0.10	0.67		
						Total Qty	1.70	99432.30	169035.00
51	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.								
	Puttenhalli Govt School	Nos	It No.	12.51	Pg No	105			
	D		4				4.00		
	Vydika kendra								
	D1		4				4.00		
	D2		9				9.00		
						Total Qty	17.00	1633.50	27770.00
52	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification. 30 mm thick both side commercial								

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Puttenhalli Govt School	Sqm	It No.	12.57.3	Pg No	106			
	GF								
	D		4	1.05		2.10	8.82		
	D1		2	0.91		2.10	3.82		
	D2		4	0.75		2.10	6.30		
	Vydika kendra								
	D1		4	1.05		2.10	8.82		
	D2		9	0.75		2.10	14.18		
						Total Qty	**41.94**	**2901.80**	**121701.00**
53	Providing & fixing of 2-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6 PHR with TPE (Thermo Plastic Elastomer) and lead free, gaskets -grey color having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 44mm width x 40mmheight with reinforcement of 1mm thickness and Sash with overall size of 27mm X 53mm with UPVC honeycomb structure inside in lieu of GI reinforcement. Coextruded Glazing bead for fixing of glass shall be of size 9.5mm x 21.5mm. Windows shall be provided with 5mm plain float glass, standard hardware& single point locking system with Crescent Locks. Wall thickness of frame & sash shall be of 2 mm.Maximum possible size – 1219mm x 1219mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made)								
	Puttenhalli Govt School	Sqm	It No.	12.84	Pg No	110			
	W		17	1.60		1.60	43.52		
	V		5	0.60		0.60	1.80		
	Vydika kendra								
	W1		1	1.20		1.20	1.44		
	W2		8	1.50		1.20	14.40		
	V		3	0.60		0.60	1.08		
						Total Qty	**62.24**	**4525.40**	**281660.90**
54	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding								
	Puttenhalli Govt School	Kg	It No.	11.34A	Pg No	85			
	GF								
	W		17	1.60		1.60	43.52		
	V		5	0.60		0.60	1.80		
							45.32		
	Total Qty in kgs (qty in Sqm *21 kg/sqm)		45.32 x 21				**951.72**		
	Vydika kendra								
	W1		1	1.20		1.20	1.44		
	W2		8	1.50		1.20	14.40		
	V		3	0.60		0.60	1.08		
							16.92		
	Total Qty in kgs (qty in Sqm *18 kg/sqm)		16.92 x 18				**304.56**		
						Total Qty	**1256.28**	**144.10**	**181029.95**
55	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed including cost of materials, mortar, labour, curing complete as per specifications.								
	Puttenhalli Govt School	Sqm	It No.	9.30	Pg No	64			
	GF								
	Class Room 1		1	6.91	6.80		46.99		
	Class Room 2		1	6.91	6.80		46.99		
	Class Room 3		1	6.91	6.80		46.99		
	Class Room 4		1	6.90	5.50		37.95		
	Corridor		1	28.00	1.80		50.40		
	Toilet front side		1	3.90	2.45		9.56		
	Staircase front side		1	2.50	2.00		5.00		
	Compound granite top		1	118.20	0.22		26.00		
	Vydika kendra								

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Room 1		1	7.62	7.62		58.06		
	Room 2		1	7.62	4.57		34.82		
	Room 3		1	7.62	4.57		34.82		
	Room 4		1	3.00	3.00		9.00		
						Total Qty	406.58	2641.10	1073818.44
56	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge : ** Flamed finish granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.								
	Puttenhalli Govt School	Sqm	It No.	9.23	Pg No	63			
	GF Stair Case								
	Tread		18	1.25	0.30		6.75		
	Riser		20	1.25		0.15	3.75		
	Landing		2	2.50	1.20		6.00		
	Vydika kendra								
	Tread		18	1.20	0.30		6.48		
	Riser		19	1.20		0.15	3.42		
	Landing		1	1.57	2.40		3.77		
			1	1.20	0.60		0.72		
						Total Qty	30.89	2088.90	64526.00
57	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.								
	SR 21-22	Sqm	It No.	10.18	Pg No	72			
	Puttenhalli Govt School								
	GF corridor		1	35.00	1.00		35.00		
						Total Qty	35.00	3380.30	118310.50
58	Providing and fixing 20mm thick gang saw water cut Lakared granite for cladding in CM 1:3 (1 cement : 3 coarse sand) proportion with a coat of rough plastering using CM 1:4 (1 cement : 4 fine sand), cut to required shape, pattern with paper joints, finished with cement mortarusing white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, mortar, labour for all items of work, usage charges of machinery etc., complete as per specification.								
	SR 21-22	Sqm	It No.	10.19	Pg No	72			
	Puttenhalli Govt School GF								
	Class Room 1		1	28.00		0.20	5.60		
	Class Room 2		1	28.00		0.20	5.60		
	Class Room 3		1	28.00		0.20	5.60		
	Class Room 4		1	28.00		0.20	5.60		
	Corridor		1	72.00		0.20	14.40		
						Total Qty	36.80	3863.20	142166.00
59	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete								
	Puttenhalli Govt School GF	Sqm	It No.	9.11	Pg No	60			
	GF		1	4.00	4.50		18.00		
	Vydika kendra Toilets								
	GF		1	7.62	6.05		46.10		
						Total Qty	64.10	850.30	54505.00

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
60	KSRB 14-17.2 : Providing skirting, dadoing, rises of steps with colour glazed tiles 15x15cmc 6mm on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16,14.17 (I.tm No.14.41.1, P.No.108, SR:2018-19)								
	Puttenhalli Govt School	Sqm	It No.	9.38	Pg No	65			
	GF		4	4.00		2.10	33.60		
			2	8.00		2.10	33.60		
	D2 deductions		-4	0.75		2.10	-6.30		
	Vydika kendra Toilets								
	GF		8	4.00		2.10	67.20		
			2	7.62		2.10	32.00		
	D2 deductions		-8	0.75		2.10	-12.60	✓	
						Total Qty	147.50	2159.30	318505.00
61	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster with cement mortar 1:6 (1 cement : 6 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.								
		Sqm	It No.	8.80	Pg No	42			
	Puttenhalli Govt School								
	Out Side Plaster GF								
	Exterior		1	60.20		3.15	189.63		
	Columns		3	1.30		3.15	12.29		
	Gate column		2	1.30		3.15	8.19		
	Compound		1	59.10		5.00	295.50		
	Deduction								
	Window (W)		-9	1.60		1.60	-23.04		
	Ventilator (V)		-5	0.60		0.60	-1.80		
	Vydika kendra								
	Out Side Plaster								
	Exterior		1	102.95		3.15	324.29		
	Columns		18	1.30		3.15	73.71		
	Deduction								
	Window (W1)		-1	1.20		1.20	-1.44		
	Window (W2)		-8	1.50		1.20	-14.40		
	Ventilator (V)		-4	1.50		0.60	-3.60	✓	
	Ground floor.					Total Qty	859.33	356.30	306178.00
	Puttenhalli Govt School								
	Inside Plaster GF								
	Class Room 1		1	27.40		3.15	86.31		
	Class Room 2		1	27.40		3.15	86.31		
	Class Room 3		1	27.40		3.15	86.31		
	Class Room 4		1	27.40		3.15	86.31		
	Staircase		1	18.40		3.15	57.96		
	Corridor infront of toilet		1	9.00		3.15	28.35		
	Corridor infront of staircase		1	6.50		3.15	20.48		
	Gents Toilet		1	14.00		3.15	44.10		
	Ladies Toilet		1	13.00		3.15	40.95		
	Toilet rooms inside		4	4.00		3.15	50.40		
	Sump tank inside		1	11.00		2.75	30.25		
	Deduction D		-4	1.05		2.10	-8.82		
	Deduction D1		-2	0.90		2.10	-3.78		
	Deduction D2		-4	0.75		2.10	-6.30		
	Vydika kendra								
	Room 1		2	15.24		3.15	96.01		
	Room 2		2	12.19		3.15	76.80		
	Room 3		2	12.19		3.15	76.80		
	Room 4		2	6.00		3.15	37.80		
	Staircase		2	18.40		3.15	115.92		
	Toilet		4	7.62		3.15	96.01		
			8	4.00		3.15	100.80		
			2	4.80		3.15	30.24		
			6	0.98		1.00	5.88		

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Sump tank inside		1	12.00		3.00	36.00		
	Deduction D2		-8	0.75		2.10	-12.60		
						Total Qty	1258.48	344.30	433296.00
62	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.								
	Puttenhalli Govt School GF	Sqm	It No.	8.21	Pg No	41			
	Ceiling		1	28.00	9.00		252.00		
			1	7.30	5.90		43.07		
	Beams		3	29.60	0.60		53.28		
			6	9.00	0.80		43.20		
			1	13.20	0.80		10.56		
	Vydika kendra								
	Ceiling		1	173.42			173.42		
	Beams		2	23.68	0.45		21.31		
			5	7.62	0.80		30.48		
			4	3.00	0.80		9.60		
						Total Qty	636.92	278.30	177255.00
	Vydika kendra FF Ceiling								
	Headroom		1	4.80	2.40		11.52		
						Total Qty	11.52	281.08	3238.00
63	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.								
	Puttenhalli Govt School	Sqm	It No.	8.51	Pg No	50			
	GF								
	Ceiling Plastering Qty		1	402.11			402.11		
	Inside Plastering Qty		1	598.83			598.83		
	Vydika kendra								
	Ceiling Plastering Qty		1	234.81			234.81		
	Inside Plastering Qty		1	636.26			636.26		
						Total Qty	1872.01	91.30	170914.00
64	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.								
	Puttenhalli Govt School	Sqm	It No.	8.39	Pg No	48			
	GF								
	Ceiling Plastering Qty		1	402.11			402.11		
	Inside Plastering Qty		1	598.83			598.83		
	Vydika kendra								
	Ceiling Plastering Qty		1	234.81			234.81		
	Inside Plastering Qty		1	636.26			636.26		
						Total Qty	1872.01	104.50	195625.00
65	Providing White washing with lime to give an even shade :New work (three coats) with lime of approved quality, including cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.								
	Puttenhalli Govt School GF	Sqm	It No.	8.21	Pg No	44			
	Outer Plastering Qty		1	480.77			480.77		
	Vydika kendra								
	Outer Plastering Qty		1	378.56			378.56		
						Total Qty	859.33	20.90	17960.00
66	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.								
			It No.	8.30	Pg No	46			

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Puttenhalli Govt School GF	Sqm							
	Outer Plastering Qty		1	480.77			480.77		
	Vydika kendra								
	Outer Plastering Qty		1	378.56			378.56	✓	
						Total Qty	859.33	149.60	128555.00
67	Finishing walls with textured exterior paint of required shade :New work (Two coats applied @ 3.28 ltr/10 m²) over and including priming coat of exterior primer applied @ 2.20kg/10 m² to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.								
	Puttenhalli Govt School GF	Sqm	It No.	8.29	Pg No	45			
	GF								
	Outside Plaster Qty		1	480.77			480.77		
	Vydika kendra								
	Outside Plaster Qty		1	378.56			378.56	✓	
						Total Qty	859.33	228.80	196614.00
68	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.								
	Puttenhalli Govt School GF	Sqm	It No.	8.41	Pg No	48			
	Window (W)		17	1.60		1.60	43.52		
	Ventilator (V)		5	0.60		0.60	1.80		
	Vydika kendra								
	Window (W1)		1	1.20		1.20	1.44		
	Window (W2)		8	1.50		1.20	14.40		
	Ventilator (V)		3	0.60		0.60	1.08		
	Door Frame		8	0.35		5.70	15.96	✓	
						Total Qty	78.20	143.00	11183.00
69	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc.,complete as per specifications. (I.tm No.7.38, P.No.43, SR:2018-19)								
	Puttenhalli Govt School	Kg	It No.	11.28	Pg No	83			
	GF Staircase 12kg/sqm		1 12	28.00	0.90		302.40		
	Vydika kendra								
	Ground Floor 15kg/sqm		1 15	15.48	0.90		208.98	✓	
						Total Qty	511.38	550.00	281259.00
	Govt School FF Staircase 12kg/sqm		1	11.20		0.90	10.08	✓	
						Total Qty	120.96	555.50	67193.28
70	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72*72*4.8mm Sq. GI Pipe frame with top pipe bending in heavy duty hydraolic press with sand packing and hot bending to form double arch as per drawing profile,20mm hot dip galvanised sq.rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged omamental design in between sq.rods and heads at top,middle and bottom. Intermediate supports of 75*12mm and 50*6mm arch bent to hot .dip galvanised flats.the work is inclusive of throughing GI.flat GIsq.rods placing,welding all the joints including grinding,finishing metal patty,painting wo coats enamel painting.The rate is inclusive of all materials like GI sq.pipe,GI.Sq.rods,GI forged designs etc., heavy duty hinges are made out of 75mm solid sq.block assembled with 20mm dia bearing in the three places for each flop. Heavy duty locking arrangements at low places including cost of labou,pailnting,erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading,scaffolding charges and all other incidental charges for sucessful completion of thework as per directions of the Engineer-in-charge of the work.								
	Approved Data rate								

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Puttenhalli Govt School	Sqm							
	School Compound Gate		1	2.60		2.20	5.72		
	Small gate		1	1.00		2.20	2.20		
						Total Qty	**7.92**	**21350.00**	**169092.00**
71	Extra over item								
	KPWD S.R 2021-22	It. No.	378.00			Pg.No.	XV		
	Puttenhalli Govt School								
	Aluminium handles - 15mm	Each	1	25			25.00	59.32	1483.00
	Anodised Aluminium butt hinges	10 nos	1	40			40.00	393.00	15720.00
	Door lock	Each	1	20			20.00	347.46	6949.20
	Handles power coated 150 mm	Each	1	20			20.00	50.85	1017.00
	Hinges 5" heavy duty	Each	1	30			30.00	31.36	940.80
	Locking arrangments	Each	1	20			20.00	550.85	11017.00
	Nail and screws	Kg	1	100			100.00	45.76	4576.00
	Tower bolt 300 mm long	Each	1	30			30.00	58.00	1740.00
	Vydika kendra								
	Aluminium handles - 15mm	Each	1	40			40.00	59.32	2372.80
	Anodised Aluminium butt hinges 100x75x4 mm	10 nos	1	40			40.00	393.00	15720.00
	Door lock	Each	1	20			20.00	347.46	6949.20
	Handles power coated 150 mm	Each	1	25			25.00	50.85	1271.25
	Hinges 5" heavy duty	Each	1	30			30.00	31.36	940.80
	Locking arrangments	Each	1	20			20.00	550.85	11017.00
	Nail and screws	Kg	1	100			100.00	45.76	4576.00
	Aluminum tower bolts	nos	1	30			30.00	58.00	1740.00
						MARKET RATE			
72	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid								
	KPWD S.R 2021-22	It. No.	14.3.1			Pg.No.	123		
	Toilets	Each	4				4.00		
	Toilets		10				10.00		
						Total Qty	**14.00**	**5505.50**	**77077.00**
73	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 600x450x200 mm								
	KPWD S.R 2021-22	It. No.	14.11.2			Pg.No.	126		
	Toilets	Each	4				4.00		
	Toilets		6				6.00		
						Total Qty	**10.00**	**5108.40**	**51084.00**
74	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern								
	KPWD S.R 2021-22	It. No.	14.5.1			Pg.No.	124		
	Toilets	Each	4				4.00		
	Toilets		10				10.00		
						Total Qty	**14.00**	**7290.80**	**102071.20**
75	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 20mm nominal dia pipes								
	KPWD S.R 2021-22	It. No.	13.32.2			Pg.No.	corrigendum		
	Puttenhalli Govt School	m	1	200.00			200.00		
	Vydika kendra		1	180.00			180.00		
						Total Qty	**380.00**	**410.30**	**155914.00**

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
76	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 25mm nominal dia pipes								
	KPWD S.R 2021-22	It. No.	13.32.3			Pg.No.	corrigendum		
	Puttenhalli Govt School	m	1	186.00			186.00		
	Vydika kendra		1	180.00			180.00	✓	
						Total Qty	**366.00**	**523.60**	**191637.60**
77	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 32mm nominal dia pipes								
	KPWD S.R 2021-22	It. No.	13.32.4			Pg.No.	corrigendum		
	Puttenhalli Govt School	m	1	180.00			180.00		
	Vydika kendra		1	150.00			150.00	✓	
						Total Qty	**330.00**	**611.60**	**201828.00**
78	Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. for:PVC pipes 110mm dia., 6 kg/sqcm & class 3								
	KPWD S.R 2021-22	It. No.	1.7 M010G			Pg.No.	2		
	Puttenhalli Govt School	m	1	180.00			180.00		
	Vydika kendra		1	75.00			75.00	✓	
						Total Qty	**255.00**	**433.40**	**110517.00**
79	Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 :1996 with manhole lid and suitable locking\ arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per spedfications								
	KPWD S.R 2018-19	It. No.	13.34			Pg.No.	2		
	Puttenhalli Govt School	Ltr	2	2000			4000.00		
	Vydika kendra		1	1500			1500.00	✓	
						Total Qty	**5500.00**	**8.80**	**48400.00**
80	Submersible Single Phase 3.00 HP - 90 LPM @ 66 m = 6 STG Outlet Dia - 2.00" Vol t5 UGD works								
	KPWD S.R 2018-19	It. No.	P110E			Pg.No.	45		
	Puttenhalli Govt School	Each	1				1.00		
	Vydika kendra		1				1.00	✓	
						Total Qty	**2.00**	**31451.00**	**62902.00**
81	Providing and fixing gun metal non- return valve of approved quality (screwed end) :								
	KPWD S.R 2021-22	It. No.	13.6.1.2			Pg.No.	115		
	Puttenhalli Govt School	Nos	10				10.00		
	Vydika kendra		8				8.00	✓	
						Total Qty	**18.00**	**608.30**	**10949.40**
82	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :								
	KPWD S.R 2021-22	It. No.	13.5.2			Pg.No.	115		
	Puttenhalli Govt School	Each	10				10.00		
	Vydika kendra		8				8.00	✓	
						Total Qty	**18.00**	**396.00**	**7128.00**
83	PTMT pillar cock (fancy) 15 mm foam flow.								
	KPWD S.R 2021-22	It. No.	473.00			Pg.No.	A-26		
	Puttenhalli Govt School		10				10.00		

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Vydika kendra	Each	8				8.00		
						Total Qty	18.00	137.50	2475.00
84	Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms								
	KPWD S.R 2021-22	It. No.		14.37.2		Pg.No.	129		
	Puttenhalli Govt School	Each	20				20.00		
	Vydika kendra		8				8.00		
						Total Qty	28.00	268.40	7515.20
85	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.19/20mm dia 2mm thick								
	Ele.SR 19-20	It. No.		1.2.1		Pg.No.	2		
	Puttenhalli Govt School	Mtr	4	100.00			400.00		
	Vydika kendra		6	25.00			150.00		
						Total Qty	550.00	67.10	36905.00
86	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.a)25mm dia 2 mm thick								
	Ele.SR 19-20	It. No.		1.2.2		Pg.No.	1		
	Puttenhalli Govt School	Mtr	4	100.00			400.00		
	vydika kendra		6	25.00			150.00		
						Total Qty	550.00	77.00	42350.00
87	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.19/20mm dia 2mm thick								
	Ele.SR 19-20	It. No.		1.3.1		Pg.No.	1		
	Puttenhalli Govt School	Mtr	4	100.00			400.00		
	vydika kendra		6	25.00			150.00		
						Total Qty	550.00	82.50	45375.00
88	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2.mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.a)25mm dia 2 mm thick								
	Ele.SR 19-20	It. No.		1.3.2		Pg.No.	1		
	Puttenhalli Govt School	Mtr	4	90.00			360.00		
	vydika kendra		6	25.00			150.00		
						Total Qty	510.00	88.00	44880.00
89	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 32mm dia 2.5mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.32mm dia 2.5 mm thick								
	Ele.SR 19-20	It. No.		1.3.3		Pg.No.	1		
	Puttenhalli Govt School	Mtr	4	5.00			20.00		
	vydika kendra		6	10.00			60.00		
						Total Qty	80.00	115.50	9240.00
90	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of Group-A								
	Ele.SR 19-20	It. No.		2.3.1		Pg.No.	3		
	Puttenhalli Govt School								
	1.0 Sqm	Mtr	10	90.00			900.00	19.80	17820.00
	1.5 Sqm	Mtr	10	90.00			900.00	28.60	25740.00
	2.5 Sqm	Mtr	6	90.00			540.00	44.00	23760.00
	4.0 Sqm	Mtr	6	90.00			540.00	64.90	35046.00

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	10.0 Sqm	Mtr	4	90.00			360.00	172.70	62172.00
	Vydika kendra								
	1.0 Sqm	Mtr	2	100.00			200.00	19.80	3960.00
	1.5 Sqm	Mtr	2	45.00			90.00	28.60	2574.00
	2.5 Sqm	Mtr	2	80.00			160.00	44.00	7040.00
	4.0 Sqm	Mtr	2	45.00			90.00	64.90	5841.00
	10.0 Sqm	Mtr	2	45.00			70.00	172.70	12089.00
91	Point wiring using Copper wire without switch.Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose lenght in a wood/PVC round block. complete for each outlet.(5/2.3) Using class A materials								
	Ele.SR 19-20	It. No.	2..2.1				Pg.No.	3	
	Puttenhalli Govt School								
	Short point up to 3mtrs from tapping point to out let via switch	Point	1	18.00			18.00	251.00	4518.00
	Medium point a above 3mtr up to 6mtr from tapping point to out let via switch	Point	1	18.00			18.00	361.00	6498.00
	Long point a above 6mtr up to 10mtr from tapping point to out let via switch	Point	1	12.00			12.00	542.00	6504.00
	Vydika kendra								
	Short point up to 3mtrs from tapping point to out let via switch	Point	3	18.00			54.00	251.00	13554.00
	Medium point a above 3mtr up to 6mtr from tapping point to out let via switch	Point	3	18.00			54.00	361.00	19494.00
	Long point a above 6mtr up to 10mtr from tapping point to out let via switch	Point	3	12.00			36.00	542.00	19512.00
92	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.5-32Amps DP (Check for Area Weightage).								
	Ele.SR 19-20	It. No.	5.17.1				Pg.No.	13	
	Puttenhalli Govt School								
	6-32Amps SP	Each	15					15.00	575.30	8629.50
	6-32 Amps DP	Each	15					15.00	1213.30	18199.50
	40 Amps TPN	Each	15					15.00	2632.30	39484.50
	50-63 Amps SP	Each	15					15.00	807.40	12111.00
	Vydika kendra								
	6-32Amps SP	Each	12					12.00	575.30	6903.60
	6-32Amps DP	Each	10					10.00	1213.30	12133.00
	40A TPN	Each	6					6.00	2632.30	15793.80
	50-63 Amps SP	Each	8					8.00	807.40	6459.20
93	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure,III-Single Door.Group A12Way SP &N (Check for Area Weightage).								
	Ele.SR 19-20	It. No.	5.18.4				Pg.No.	13	
	Puttenhalli Govt School	Each	10					10.00	
	Vydika kendra		2					2.00	
							Total Qty	12.00	1750.10	21001.20
94	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using required clamps, bolts, nuts etc. with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with power coated painting etc., complete: Double door: 6 way TP &N , Group (A) (Check for Area wantage).								
	Ele.SR 19-20	It. No.	5.18.12				Pg.No.	13	
	Puttenhalli Govt School		10					10.00	

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Vydika kendra	Each	2				2.00		
						Total Qty	12.00	4108.50	49302.00
95	Supplying and fixing 32Amps security and energy saving DP switch with key tag suitable to operate on 230 Volts, 50Hz AC supply & completely wired on existing box. (Check for Area Weightage)								
	Ele.SR 19-20	It. No.		3.70		Pg.No.	6		
	Puttenhalli Govt School	Each	22				22.00		
	Vydika kendra		15				15.00	✓	
						Total Qty	37.00	821.70	30402.90
96	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.								
	Ele.SR 19-20	It. No.		3.6.2		Pg.No.	5		
	Puttenhalli Govt School	Each	50				50.00		
	Vydika kendra		20				20.00	✓	
						Total Qty	70.00	167.20	11704.00
97	Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes : Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes, Class H Insulated copper wire, Vacuum impregnated high quality with Low loss silicon steel lamination operated on 240V,50Hz supply with IEC 60920 (Safety) & IEC 60921(Performance). Operating voltage range from 180V to 265V, 50Hz AC power Supply. (Check for Area Weightage)								
	Ele.SR 19-20	It. No.		12.23		Pg.No.	41		
	Puttenhalli Govt School	Each	20				20.00		
	Vydika kendra		18				18.00	✓	
						Total Qty	38.00	330.00	12540.00
98	Supply and fixing metal fan box with round hook								
	Ele.SR 19-20	It. No.		1.12		Pg.No.	2		
	Puttenhalli Govt School	Nos	40				40.00		
	Vydika kendra		8				8.00	✓	
						Total Qty	48.00	179.30	8606.40
99	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate.. Is 3854 and IS 1293. (16/3.7) (Check for Area Weightage)								
	Ele.SR 19-20	It. No.		3.6.1		Pg.No.	5		
	Puttenhalli Govt School							✓	
	6Amps SP Switch	Each	80				80.00	96.80	7744.00
	6Amps 3way 5 pin socket	Each	20				20.00	178.20 ✓	3564.00
	16Amps SP Switch	Each	10				10.00	273.90 ✓	2739.00
	16Amps 3way 5 pin Socket	Each	10				10.00	273.90 ✓	2739.00
	32Amps Flush/projected types DP switch	Each	10				10.00	412.50 ✓	4125.00
	Vydika kendra								
	6Amps SP Switch	Each	8				8.00	96.80 ✓	774.40
	6Amps 3way 5 pin socket	Each	8				8.00	178.20 ✓	1425.60
	16Amps SP Switch	Each	8				8.00	273.90 ✓	2191.20
	16Amps 3way 5 pin Socket	Each	8				8.00	273.90 ✓	2191.20
	32Amps Flush/projected types DP switch	Each	8				8.00	412.50 ✓	3300.00
100	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall								
	Ele.SR 19-20	It. No.		3.4.1		Pg.No.	9		
	Puttenhalli Govt School								
	1-3Way	Each	1	30			30.00	123.00 ✓	3690.00
	4-5Way	Each	1	30			30.00	138.00 ✓	4140.00
	6Way	Each	1	20			20.00	212.00 ✓	4240.00
	8Way	Each	1	20			20.00	250.00 ✓	5000.00
	10-12Way	Each	1	10			10.00	325.00 ✓	3250.00
	16Way	Each	1	6			6.00	354.00 ✓	2124.00
	Vydika kendra								
	1-3Way	Each	1	15			15.00	123.00 ✓	1845.00
	4-5Way	Each	1	15			15.00	138.00 ✓	2070.00
	6Way	Each	1	15			15.00	212.00 ✓	3180.00
	8Way	Each	1	15			15.00	250.00 ✓	3750.00
	10-12Way	Each	1	10			10.00	325.00 ✓	3250.00
	16Way	Each	1	6			6.00	354.00 ✓	2124.00

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Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
101	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. (Check for Area Weightage)								
	Ele.SR 19-20	It. No.		3.5.1			Pg.No.	9	
	Puttenhalli Govt School	Each	1	30			30.00	167.20	5016.00
	1 to 3 Module	Each	1	30			30.00	192.50	5775.00
	4Moudule	Each	1	20			20.00	268.40	5368.00
	6Moudule	Each	1	20			20.00	332.20	6644.00
	8Moudule	Each	1	10			10.00	399.30	3993.00
	10Moudule	Each	1	10			10.00	399.30	3993.00
	12Moudule								
	Supplying and fixing PVC/metal conduit accessories.(2/1.5) 19/20mm junction box	Each	1	10			10.00	53.90	539.00
	Vydika kendra								
	1 to 3 Module	Each	1	15			15.00	167.20	2508.00
	4Moudule	Each	1	15			15.00	192.50	2887.50
	6Moudule	Each	1	15			15.00	268.40	4026.00
	8Moudule	Each	1	15			15.00	332.20	4983.00
	10 -12 Module	Each	1	8			8.00	399.30	3194.40
	Supplying and fixing PVC/metal conduit accessories.(2/1.5) 19/20mm junction box	Each	1	8			8.00	53.90	431.20
102	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies for operation on 230 Volts, 50 Cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system.(84/9.3)56" Sweep (1400mm) Regular model (Check for Area Weightage)								
	Ele.SR 19-20	It. No.		6.3.2			Pg.No.	22	
	Puttenhalli Govt School	Each	12					12.00	
	Vydika kendra		4					4.00	
							Total Qty	**16.00**	**2387.00**	**38192.00**
103	Supplying and fixing of class A (medium duty)GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arraingements for UG cable of 1.1KV class.40mm (Check for Area Weightage)								
	Ele.SR 19-20	It. No.		6.9.1			Pg.No.	41	
	Puttenhalli Govt School	mtr	1	40.00				40.00	
	Vydika kendra		1	15				15.00	
							Total Qty	**55.00**	**368.50**	**20267.50**
104	Spplying, fixing ,wiring, earth electrode for grounding conduits, I C cutouts and other equipments on the meter board using 40mm dia 2.9mm thick GI pipe 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connectionh from the pipe to the conduit etc, is to be established through GI wire of size as per ISI Specification 7.3.3. of IS 732 using 12mm dia bolts, nuts,wahers anfd check nuts etc,the pipe shall have 16 through hole of 122 mm dia(68/1) (Check for Area Weightage)								
	Ele.SR 19-20	It. No.		6.10			Pg.No.	40	
	Puttenhalli Govt School	Nos	20					20.00	
	Vydika kendra		2					2.00	
							Total Qty	**22.00**	**3299.67**	**72592.74**
105	Suppling and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas / spacers, GI Wire c) 8SWG (Check for Area Weightage)								
	Ele.SR 19-20	It. No.		6.18.3			Pg.No.	44	
	Puttenhalli Govt School	PerMtr	20	25.00				500.00	
	Vydika kendra		8	5.00				40.00	
							Total Qty	**540.00**	**20.90**	**11286.00**
106	Supplying tinned copper lugs crimping and wiring to terminal point for wire of the following sizes.2.5sqmm. (Check for Area Weightage)								
	Ele.SR 19-20	It. No.		6.17.2			Pg.No.	43	
	Puttenhalli Govt School	Each	80	5.00				400.00	
	Vydika kendra		50	5.00				250.00	
							Total Qty	**650.00**	**4.40**	**2860.00**
107	Supplying tinned copper lugs crimping and wiring to terminal point for wire of the following sizes.- 35Sqmm Long Barrel								
	Ele.SR 19-20	It. No.		6.17.8			Pg.No.	43	

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Puttenhalli Govt School	Each	80				80.00		
	Vydika kendra		20				20.00	✓	
						Total Qty	100.00	35.20	3520.00
108	Supplying and fixing of Electronic Ballast suitable for T8 Lamp with housing made of Pre-coated steel/PC, Operating voltage range from 180V to 265V, 50Hz AC power Supply flicker free warm start with over voltage protection, Inrush current protection, De-activated lamp protection & End of Lamp life protection with PF> 0.95 & TC(deg C) > 65 degC. Operating voltage range from 180V to 265V, 50Hz AC power Supply. (Check of Area Weightage)								
	Ele.SR 19-20	It. No.		12.22.3		Pg.No.	40		
	Puttenhalli Govt School	Each	30				30.00		
	Vydika kendra		15				15.00	✓	
						Total Qty	45.00	863.50	38857.50
109	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 14.7.1 On wall / ceiling / Rafter / Girders (Check of Area Weightage).								
	Ele.SR 19-20	It. No.		13.7.1		Pg.No.	45		
	Puttenhalli Govt School	Each	30				30.00		
	Vydika kendra		22				22.00	✓	
						Total Qty	52.00	130.90	6806.80
							Total Constrution cost		109641636.41
							GST 12%		131,56,996.37
							Design Report,Proof Checking & PMC Amount		21,92,832.73
							Sub Total		1249,91,465.51
							Miscellaneous & Rounding Off		8,534.49
							Grand Total		1250,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2021-22
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS

Consultant
For Sri Sai Consultants

Assistant Engineer
Ward No-2 &4
BBMP - Bangalore

Assistant Executive Engineer
Yelahanka Sub Division
BBMP - Bangalore

Executive Engineer
Yelahanka Divison
BBMP - Bangalore

Administrative Sanction for Rs. 1250.00 lakhs
Rupees Twelve Crore Fifty ... lakhs Only
is accorded under head Amruth Nagarothana Grants
Register No. 94 Subject
to conc: ned in enclosed memo
No. BBMP/EE/YNK-D/AS/21/22-23 Dt. 12/8/22

Executive Engineer

Technical Sanction
Accorded For 1250.00 Lakhs.
Head of A/C.....
CER NO : 99 Dt: 21/6/2022

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